

Grace University High School Quiz Bowl - 2018

Round # 1

Afternoon

1

Mines on the Cornwall Peninsula in southwestern England were dug in the thirteenth century B.C. by Phoenicians searching for what metal used to make bronze?

10

6

What arm of the Atlantic Ocean separates Great Britain from northern France?

35

tin

English Channel

2

When immigrants enter the U.S. through sponsorship from family members already settled in the country, this is known as what kind of migration?

7

What kind of stability is indicated in this?
If a system is displaced a little ways from its equilibrium position, it will generate a force that tends to push it farther from equilibrium.

chain migration

negative stability

3

A weakness, fault, or vulnerable spot in a person that is otherwise strong is known as whose heel?

8

Name the town in the Czech Republic near which Napoleon defeated the Russian and Austrian armies in 1805.

20

Achilles'

Austerlitz

4

Some 80% of all mollusks belong to what taxonomic class?

9

The Battle of Omdurman in 1898 took place near Khartoum in what modern country?

Gastropoda (gastropod)

Sudan

5

Name the body cavity that contains the intestines, liver, pancreas, stomach, gallbladder, spleen, and kidneys.

10

What word should have been used in this statement?
Life begins at contraception.

30

abdominal cavity

conception

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These are lines from a poem by what British author?
If you can make one heap of all your winnings
And risk it on one turn of pitch-and-toss,
And lose, and start again at your beginnings
And never breathe a word about your loss

45

Rudyard Kipling

12

What is usually the color of the streak of minerals that are harder than the streak plate?

colorless (or white)

13

What navigational term often indicates the angle between the direction that a ship is going and some object off to its side?

bearing

14

Hitler's storm troopers were given what other name based on their garb?

Brown Shirts

15

What Athenian legislator is remembered for his harsh codification of the law under which the death penalty applied to a vast array of offenses?

Draco

16

The man who was nicknamed Pathfinder of the Seas, Father of Modern Oceanography and Naval Meteorology, and Scientist of the Seas was Matthew who?

Maury

17

The total amount of money earned from salaries and wages before taxes or other deductions are withheld is called what?

gross income (gross pay)

18

What affluent New York shipowner became one of the most legendary pirates in history?

Captain (William) Kidd

19

Since jellyfish are not fish or even vertebrates, what is a more appropriate common name for these creatures?

jellies (sea jellies)

20

What does the idiom mean in this excerpt?
the injured passengers, to wit: Fred
Farnsworth, Fran Foster, and Frank Fillmore

that is to say (namely)

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21

At the sternoclavicular joint, what bone articulates with the collarbone?

sternum

22

If you own a few acres in a part of a city that is zoned for single-family dwellings and you want to build an apartment complex on the land, what would you have to apply for and receive from the city before proceeding?

variance

23

Name the largest island nation between Comoros and Mauritius.

Madagascar

24

In relation to syllogisms and in terms of A and B, express the universal negative.

No A is B.

25

Catherine II of Russia and Holy Roman Emperor Joseph II were known as enlightened what?

despots

26

What kind of muscular contraction occurs when a muscle contracts without changing its length?

isometric

27

A traditional method of taking ocean water samples at various depths and locations uses what kind of bottle?

Nansen bottle

28

The "Analects" is a collection of sayings by what ancient Chinese philosopher?

Confucius

29

In what kind of story is the protagonist initiated into adulthood through knowledge and experience?

coming-of-age story

30

The amplitude of a transverse wave is what fraction of the distance between its crest and trough?

1/2

55

45

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31

Name the hard alloy used on the tips of masonry bits.

36

What cosmological model holds that the universe will expand until gravity eventually causes it to collapse?

carbide

closed (or oscillating) universe

32

What is the term for the simultaneous generation of both electricity and useful heat?

37

Which article of the Constitution accepts responsibility for all debts of the U.S. and declares the Constitution as the supreme law of the land?

cogeneration

Article VI

33

Name Rachel Carson's most famous book attacking the indiscriminate use of pesticides.

38

Depending upon close relationships between business executives and government officials, favoritism in the distribution of grants or loans, special tax breaks, and the allocation of legal permits to businesses is called what kind of capitalism?

Silent Spring

crony capitalism

34

Name the kind of contract which provides for the use and enjoyment of a property for a specific period.

39

What river marked the northernmost point of advance for American forces during the Korean War?

70

lease

Yalu River

35

During which stage of mitosis is there a shortening and thickening of the chromatids accompanied by a breakdown of the membrane around the nucleus?

40

These are allotropic forms of what element?
lonsdaleite, ceraphite, fullerene, diamond

85

75

prophase

carbon

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The last Russian czar was shot by members of the Russian Social Democratic Workers' Party, a group known by what name?

46

Founded in 1824 as part of the War Department and moved to the Department of the Interior in 1849, what bureau acts as trustee over Native American lands and funds and administers social assistance programs for Native Americans?

Bolsheviks

Bureau of Indian Affairs

42

When several strings are tuned to harmonically related pitches, they all vibrate when only one of the strings is struck. This illustrates what phenomenon of sound?

47

Name the two vessels involved in the first encounter between ironclad warships.

resonance

Merrimack, Monitor

43

Some argue that what type of jury is unjust since the defendant is not represented by counsel and does not have the right to call witnesses?

48

What are the last two words in this palindrome in which the whole words are units?

You can cage a swallow, can't you, but you can't swallow a cage ...

grand jury

can you

44

The detective, C. Auguste Dupin, was a Frenchman who possessed remarkable powers of deduction. He first appeared in what short story by Edgar Allan Poe?

49

What is the surname of the famous Russian composer of symphonies whose first name is Dmitri?

Murders in the Rue Morgue

Shostakovich

45

In a public statement in 1969, he called his actions in delaying the report of his accident "indefensible" and asked his constituents to help him decide whether to continue his political career. A favorable response enabled whom to resume his Senate duties?

50

Many say he was the most influential painter of the 20th century. Name this Spanish artist who contributed to painting, drawing, graphics, sculpture, and ceramics.

10

20

Edward (Ted) Kennedy

Picasso

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51

On what land mass did 27 species of flightless birds, including the giant moa, become extinct soon after the appearance of people there about 1,000 years ago?

20

New Zealand

52

Name the type of painting executed on wet plaster with pigments suspended in water so that the plaster absorbs the colors and the painting becomes part of the wall.

fresco

53

A wafer of quartz will expand and contract at a fixed frequency. Name this expansion and contraction.

oscillation

54

Pure hydrochloric acid is what color?

clear (colorless)

55

In 2017, Bowe Bergdahl pled guilty to desertion and endangering his comrades while stationed in what country?

Afghanistan

56

Physicists are hoping to construct a unified field theory which will tie together the four basic forces holding the universe's particles together. These forces include the strong and weak nuclear forces as well as gravity and what else?

30

(electro)magnetism

57

Early French explorers courted the friendship of the Algonquians. This association won for them the implacable hatred of what other Indian nation?

95

Iroquois

58

His testimony before a congressional tariff hearing in 1921 garnered a great deal of publicity for the "Peanut Man." What was his real name?

George Washington Carver

59

Fulton's Folly has achieved fame as the first commercially successful steamboat in America. Its maiden voyage took place on what river?

Hudson River

60

Stainless steels contain sufficient chromium to form a surface film of what compound that blocks corrosion from spreading into the metal's internal structure?

chromium oxide

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What ruthless, megalomaniacal Roman emperor had a name that literally means "little boot"?

66

What type of operation was depicted above this caption?

Surgeon about to make the first incision with a curved knife, while helpers prepare to restrain the patient. On the table, a hacksaw lies ready to be used on the bone.

115

Caligula

amputation

62

What kind of anatomical object is indicated by the prefix "adeno-"?

67

The material used in slipcasting is what liquefied substance?

40

gland

clay

63

This dialogue is from what French novel?

D'Artagnan: Why is Athos sitting by himself?

Aramis: He takes his drinking very seriously.

Not to worry, he'll be his usual charming self by morning.

68

These people have held what office in what city?

Abraham Beame, Edward Koch, David Dinkins,

Rudolph Giuliani, Michael Bloomberg

105

30

The Three Musketeers

mayor of New York City

64

Food moves through the gut by means of wavelike muscular contractions called peristalsis. A series of what kind of ringlike muscles keep the food moving in the correct direction?

69

What form of algae may grow up to 50 meters in length?

125

sphincter muscles

kelp (giant kelp)

65

Nociception is the sensation of what?

70

What kind of wave is formed when compressions and rarefactions move through the air?

pain

longitudinal (sound) waves

END

OF

ROUND

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Round # 2

Afternoon

1

How many liters of hydrogen are necessary to react with sufficient chlorine to produce 12 liters of hydrogen chloride?

10

6 liters

2

What was the political philosophy of the individual who said this in the 19th century?

Our immediate aim is the formation of the proletariat into a class, overthrow of the bourgeois supremacy, and conquest of political power by the proletariat.

communism

3

The name of what major ocean current completes this verse by Eugene O'Neill?

Weary am I of the tumult, sick of the staring crowd, / Pining for wild sea places where the soul may think aloud. / Fled is the glamour of cities, dead as the ghost of a dream, / While I pine anew for the tint of blue on the breast of the old ...

Gulf Stream

4

In 1973, an open letter from the Soviet Academy of Sciences was published that condemned a physicist for his public criticism of the Kremlin's domestic and foreign policies. Name this physicist.

Andrei Sakharov

5

In the U.S., radon gas is the second-leading cause of what kind of cancer?

20

lung cancer

6

Crustaceans have what kind of eyes?

compound eyes

7

What is the common name for the disease caused by the bacteria, *Mycobacterium leprae*, which was discovered in 1874 by the Norwegian doctor, Armauer Hansen?

30

leprosy

8

What act passed by Parliament in 1764 prohibited the American colonies from printing their own paper money?

Currency Act

9

The first site where Paleolithic cave paintings were found was Altamira Cave in what European country?

Spain

10

What organ in the cochlea resembles a snail in form and consists of innumerable fibers connected to the auditory nerve?

organ of Corti

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Round # 2

30

Afternoon

11

Name the enormous gulf separating Finland and Sweden.

Gulf of Bothnia

12

What is another name for an actuarial table?

10

life (or mortality or life expectancy) table

13

Name the two leaders who signed a peace treaty in 1979 ending nearly thirty-one years of war between Israel and Egypt.

Anwar Sadat, Menachem Begin

14

This is from what play about a young girl?
The Gestapo found the radio that was stolen.
They'll trace it back to the thief. Then it's
just a matter of time 'til they get us. I have
often been downcast but never in despair. I
can shake off everything if I write.

15

The Diary of Anne Frank

15

What is also known as a compression-ignition engine?

diesel engine

16

For what does the acronym stand in this?

In 2008, George Bush urged Congress to end the ban on offshore oil drilling and to open a portion of ANWR for oil exploration.

Arctic National Wildlife Refuge

17

According to Plutarch, Cleopatra tested several deadly poisons on condemned prisoners and concluded that, for her own purposes, the bite of what snake was the least terrible way to die?

18

What word meaning "friend" completes this ditty by Ogden Nash?

The oyster's a confusing suitor.
It's masc., and fem., and even neuter.
At times it wonders, may what come,
Am I husband, wife, or ...

asp

19

In "Nineteen Eighty-Four", what kind of law enforcement agency is the "Thinkpol"?

40

chum

thought police

20

Water needs a non-gaseous surface in the atmosphere to change from the vapor to the liquid state. Tiny solid or liquid particles in the atmosphere that perform this function are called CCNs which stands for cloud condensation what?

nuclei

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21

What type of reaction, the name for which was derived from a Greek word meaning "abnormal response," occurs when the immune system mistakes a normally harmless substance for an invasive agent such as a virus?

25

allergic

22

What emperor of the Byzantine Empire ordered his scholars to collect and organize all Roman law into a single code?

30

Justinian

23

What is the term for the numbers that specify the position of a point in space and time?

40

coordinates

24

Name the interval between a fundamental tone and the eighth diatonic tone above it.

45

octave

25

In 1875, about one-third of the population of Fiji was killed by an epidemic of rubeola, a childhood disease also known by what other name?

measles

26

What term in Hindu mythology indicates any of the incarnations of Vishnu?

avatar

27

The Battle of Chacabuco pitted rebel forces under San Martin and O'Higgins against Spanish forces north of Santiago. This battle was fought for the independence of what country?

55

Chile

28

What leavening is also known as bicarbonate of soda?

29

These are in what state?
Clermont State Historic Site
Clinton House State Historic Site
John Jay Homestead State Historic Site
Walt Whitman Birthplace State Historic Site
Old Fort Niagara State Historic Site
Old Erie Canal State Historic Park

baking soda

50

New York

30

What vast desert is about 500 miles east of the Canary Islands?

Sahara Desert

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55 55 Afternoon

31

What ship, long moored in Boston Harbor and immortalized by an Oliver Wendell Holmes poem, marked the 218th anniversary of its first launch in 2015?

65

36

What is another name for low blood pressure?

80

Old Ironsides (U.S.S. Constitution)

hypotension

32

What U.S. national park is due east of Puerto Rico?

70

37

During Pontiac's War, after the siege of Fort Pitt failed in 1763, the fort's commander provided some blankets to the attacking Indians that were intentionally riddled with the virus of what highly infectious disease?

80

Virgin Islands National Park

smallpox

33

What group of vascular plants can usually be distinguished from most other plants by their feathery leaves which unroll from base to tip as they develop?

65

38

What kind of body tissue is composed of elongated contractile cells known as myocytes?

ferns

muscle tissue

34

In 1874, gold was found in what hills of the southwestern Dakota Territory?

39

To what amendment was Judge Rothstein referring when she said this in 1990?

Burning the flag as an expression of political dissent does not jeopardize the freedom which we hold dear.

85

Black Hills

1st amendment

35

What speech disorder is characterized by blocking and repetition of initial sounds of words?

75

40

What is the collective name for these songs?

Deutschland Uber Alles
The Marseillaise
God Defend New Zealand
The Maple Leaf Forever

95

stuttering (stammering)

national anthems

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Afternoon

41

He placed two barrels of wine on a ship. One had been heated. After ten months, the heated wine was still perfect while the other was spoiled. What Frenchman performed this experiment?

Louis Pasteur

42

Laminar flow is the opposite of what other kind of flow?

turbulent flow

43

The island of Isla Grande de Tierra del Fuego is divided between two countries. Name either.

Chile, Argentina

44

This Rimsky-Korsakov quote is about what opera? It consisted of separate, unconnected episodes and pictures from "The Arabian Nights."

Scheherazade

45

The Sinai Peninsula of Egypt, Israel, Jordan, and what other country are adjacent to the Gulf of Aqaba?

90

95

Saudi Arabia

46

The Statue of Peace is in the International Peace Park. The park is exactly at ground zero of the second atomic bomb dropped in World War II. In what city is this park located?

Nagasaki

47

The centuries were the smallest units of the Roman army with each consisting of some 100 foot soldiers. What was the title of the commander of a century?

centurion

48

What Burmese city is missing from this line by Kipling?
On the road to --- where the flying fishes play

Mandalay

49

A short remark by a politician that fits well into TV or radio news stories is called what kind of bite?

sound bite

50

In relation to U.S. government, name the position "all but lost in a galling subservience" that was held by all these people.

George Clinton
Daniel Tompkins
William Wheeler
Henry Wallace
Hannibal Hamlin

vice president

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51

Who ran for president five times as the standard-bearer of the Socialist Party, with his best showing in 1920, when he campaigned from a cell at the federal penitentiary in Atlanta?

56

For what does the "v" stand in this mnemonic device having to do with light?
Roy G. Biv

110

115

Eugene Debs

violet

52

What Confederate vessel that had not been seen since 1864 was raised intact from the waters near Charleston in 2000?

57

Fence posts, telephone poles, and gravestones all tilting in the same direction are evidence of what very slow but continuous type of mass wasting?

Hunley

creep

53

What composition by Modest Mussorgsky could have been but fortunately was not entitled "Wee Hours on Hairless Hill"?

58

This avid abolitionist senator was brutally beaten on the Senate floor by Representative Preston Brooks of South Carolina following a speech in which he said that Brooks' cousin, a South Carolina senator, had "chosen a mistress" the harlot, slavery? This Massachusetts senator was Charles who?

Night on Bald Mountain

Sumner

54

In 1952, Gamal Nasser led a military coup to depose what Egyptian king?

59

Found in the boreal forests of North America, Europe, and Russia, it is the largest member of the weasel family and has a reputation for its strength and ferocity. Name this stocky, burrowing, short-legged, muscular carnivore.

120

Farouk

wolverine (carcajou)

55

In 1809, he was captured by the Blackfeet. After being stripped naked, he was set free to run, pursued by a band of warriors. He managed to evade his captors and walked 200 miles to safety. This mountain man was John who?

60

"The Million" or "The Travels of Marco Polo" includes a detailed description of an ancient trade route between China and the Mediterranean Sea known as what road?

125

Colter

Silk Road

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61

Variations exist among the individuals of a species. Charles Darwin said that in the struggle for existence, what happens to those organisms expressing variations best suited to a given environment?

66

Ptyalin, an enzyme that breaks alternate bonds in polysaccharides, is produced in what glands?

125

They survive.

salivary glands

62

In 2017, the submarine San Juan with 44 crew members belonging to what Latin American country went missing?

67

What is a synonym for a volcanic plug?

Argentina

volcanic neck (lava neck)

63

What region of the North Atlantic is covered by floating seaweed that gives it its name?

68

Officers including Bat Masterson, Bill Tilghman, Ham Bell, Charlie Bassett, and Wyatt Earp brought law and order to what raucous Kansas city on the Santa Fe Trail?

Sargasso Sea

Dodge City

64

What is the common name for the substance, glyceryl trinitrate?

69

What part of a conditional statement includes the adverb "then"?

nitroglycerin

consequent

65

A protagonist's idealism changes into realism and various experiences initiate him into adulthood in a coming-of-what story?

70

Native hydrous calcium sulfate refined for use in wallboard is also known as what mineral?

125

126

age

gypsum

END

OF

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Round # 3

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1

Dikteon Cave, the legendary birthplace of Zeus, is located in the high mountains of what major Greek island in the eastern Mediterranean?

10

6

This is about whom?

In 1635 he was banished from Massachusetts for life. He fled to the south and in an area that later became the colony of Rhode Island he built a cabin that he named Providence.

Crete

Roger Williams

2

Who initiated the Great Purge in the 1930s?

15

7

At the time of the Battle of Waterloo, some of Britain's best troops had still not returned from what final battle of the War of 1812?

Joseph Stalin

Battle of New Orleans

3

The volcanic smog produced by eruptions of Kilauea in Hawaii results from the release of enormous quantities of what colorless, irritating gas based on the element with the atomic number of 16?

8

To register an invention, you must go through the Patent and Trademark Office which is part of what federal department?

sulfur dioxide

Department of Commerce

4

The president desperately wants legislation establishing a new federal agency and is putting the full force of the White House behind it. A senator may try to attach to the bill an unrelated amendment for which there is little support. What is the name for such an addition?

9

An acid solution with a pH of 4.0 is how many times as acid as one having a pH of 5.0?

25

rider

10

5

Richard Adams' novel, "Traveller," is an historical novel supposedly narrated by what American Civil War general's horse?

10

In the 1910s, thousands of American tourists traveled by special train to witness the excavation of the tremendous Culebra Cut in what country?

Robert E. Lee

Panama

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Afternoon

11

Complete this title of one of Andrew Carnegie's important essays.
The Gospel of ...

16

A 21 ounce mixture of water and alcohol contains 7 ounces of alcohol. If 4 ounces of alcohol are added, then the alcohol in the mixture becomes what percentage?

45

Wealth

44%

12

Sedimentary rocks may be affected by two broad processes, metamorphism and what other?

17

In law, what is the name for a written statement in which the author swears the statement is the truth, the whole truth, and nothing but the truth?

weathering

affidavit (deposition)

13

What word has these meanings?

- pliable
- capable of being shaped
- easily influenced
- compound produced by polymerization

18

To what American bomber was Bob Hope referring when he said this?

If it's supposed to be invisible, why don't we not build it and tell the Russians it's there?

plastic

B-2 (Stealth bomber)

14

You would travel from what state to what state if you followed the diagonal from Colorado's southwest corner to its northeast corner?

19

What defense mechanism is characterized by excuse making?

Arizona, Nebraska

rationalization

15

What enormous peninsula lies between the Atlantic and the Mediterranean?

20

This cartoon caption is a spoof of what kind of legislation hotly debated in the early 21st century?
a three-day background check before you can purchase a congressman

40

Iberian

gun (weapon, firearm, etc.)

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21

What literary term is also used in the arts when an abstract concept such as Death is portrayed by a human figure?

55

personification

22

Consider a defendant who has been found guilty of multiple separate crimes during one trial. If the judge allows him to serve jail time for all of his offenses at the same time, these are known as what kind of sentences?

concurrent

23

When Mount Pelee erupted in 1902, a nuee ardente killed all but one of the 30,000 residents of St. Pierre on what island in the Caribbean?

Martinique

24

Since pancreatic juice counteracts the acid made in the stomach, it must have what chemical quality?

alkalinity (basic)

25

You are looking at a weather map and see a dashed line extending from northern Florida to south central Texas. At its end you see written "80 degrees." Name this kind of line.

isotherm

26

What Mariana island was the base for the aircraft that carried atomic bombs to Japan in World War II?

Tinian

27

Resulting in a profound effect on Western society, what British inventor patented a spinning device in 1769 that produced cotton thread hard and firm enough for the warp of woven fabric?

Richard Arkwright

28

What is another name for a sun-and-planet gear system consisting of one or more gear wheels moving around another?

epicyclic (planetary) gear

29

The third-largest island of the Greater Antilles lies 90 miles south of Cuba and 120 miles west of Hispaniola. Name it.

65

Jamaica

30

What federal arsenal was seized by John Brown and his followers in 1859?

Harpers Ferry

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31

What two factors in a region comprise its biota?

36

The two-year-long Panmunjom negotiations eventually led to the armistice ending what war?

flora, fauna (or plants, animals)

Korean War

32

The main character in Poe's "The Pit and the Pendulum" had been imprisoned as a result of what state tribunal instituted in Spain in 1480?

37

What figure of speech is used in this line?
A writer's river of words will dry up
unless it is continuously replenished
by streams of new learning.

10

75

10

Spanish Inquisition

metaphor

33

What happens to a worm's body when its longitudinal muscles contract?

38

The Swede who helped some 95,000 Jews escape death by issuing them Swedish passports was a diplomat named Raoul who?

It gets shorter.

Wallenberg

34

Name the fictional town in Alabama which is the setting for "To Kill a Mockingbird."

39

The critical temperature is that temperature above which, regardless of the pressure, a gas cannot be what?

Maycomb

liquefied

35

In 1968, when a 24-year-old Palestinian, Sirhan Sirhan, shouted "I did it for my country," who had he killed?

40

The lithosphere, a brittle outer layer of rock, overlays what soft yielding rock layer of the Earth's interior?

Robert Kennedy

asthenosphere

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41

What kind of "turfing" is illustrated by corporations, public relations firms, or political groups promoting and underwriting projects and programs as if their bases were in grassroots citizen groups?

astroturfing

42

A wheelbarrow full of gravel illustrates which class of lever?

85

10

second class

43

A character in what dystopian novel is described as "one of those completely unquestioning, devoted drudges on whom, more even than on the Thought Police, the stability of the Party depended"?

46

Photosynthesis first emerged as a life process during what geologic era?

Precambrian

47

What two vertebrate classes appeared after Osteichthyes and before Aves?

Amphibia, Reptilia (amphibians, reptiles)

48

What is the similar but correct word for the misused word in this example?

For years, Nelson Mandela was interred in the Robben Island prison.

105

1984

44

What is the collective name for the four Parliamentary acts that led to the convening of the First Continental Congress in 1774?

interned

49

You pour some water into a beaker, add some cooking oil, and vigorously stir them together. Soon, the oil begins to collect above the water. This occurs because these two liquids do not dissolve in one another. What adjective indicates such liquids?

Intolerable Acts

45

Orville Snailgrass runs a small compost production company. He detests government regulations and federal guidelines. What French phrase used by Adam Smith names a policy that Mr. Snailgrass would undoubtedly support?

95

laissez faire

immiscible

50

Mark Clark was an American general in what two wars?

World War II, Korean War

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51

What literary form which attacks through ridicule, irony, and parody intends to arouse amused contempt for its target?

20

satire (spoof, lampoon)

52

The Helvetic Republic was located in what mountain range?

Alps (and/or Jura Mountains)

53

What is the gerund phrase in this example?
Hortense avoided doing her homework to reserve the energy to peel her aunt's grapes.

doing her homework

54

A boombox picks up what type of radio waves between frequencies of 550 and 1600 kilohertz?

115

AM

55

According to Hubble's law, galaxies recede from an observer at a rate proportional to what?

distance from the observer

56

What is the term for the offspring resulting from crossbreeding?

125

hybrid

57

What story by Robert Heinlein begins with this?
Once upon a time there was a Martian named Valentine Michael Smith.

20

Stranger in a Strange Land

58

A 40-kilogram lad is on a stationary 5-kilogram skateboard. He jumps off, sending it forward at 4 meters per second. How fast is the lad moving backward?

.5 meters per second

59

This newspaper headline of 1969 was about what U.S. space program?
The First Footstep

30

Apollo Program

60

In Egyptian mythology, Isis was the wife of Osiris and the mother of what god of the sun?

Horus

Grace University High School Quiz Bowl - 2018

Round # 3

Afternoon

61

Also known as the center of interest, what is nother name for the area within a composition at which the emphasis is greatest and where the viewer's eye is continually drawn?

135

30

focal point

62

What kind of currents are believed mainly responsible for forming continental rises?

turbidity currents

63

What is the mass of one mole of diatomic oxygen?

32 grams

64

What category of mountains form the Teton Range in Wyoming?

fault-block mountains

65

Eva Anna Paula Braun's name when she died in 1945 was Eva Anna Paula who?

Hitler

66

What is the volume of a symmetrical trapezoidal tank with bases of 6 and 9 meters, a height of 6 meters, and a width of 20 meters?

900 cubic meters

67

This similarity in sound between vowels followed by different consonants in two or more stressed syllables is what literary device?

In behint yon auld fail dyke

I wot there lies a new-slain knight

assonance

68

According to the idiom, someone convicted of a crime must face what?

the music

69

What is the linear density of a wire if a piece 600 yards long weighs 204 pounds?

.34 pounds per yard

70

The Serengeti National Park is a wildlife refuge in Tanzania extending east and southeast from the shores of what lake that is the source of the Nile River?

Lake Victoria

END

OF

ROUND

Grace University High School Quiz Bowl - 2018

Round # 4

Afternoon

1

Silver bullion coins include the American Silver Eagle, the Australian Silver Kangaroo, the Canadian Silver Maple Leaf and the Chinese Silver what?

6

As a result of the failed Gunpowder Plot to blow up Parliament in 1605, British sentiments hardened against people of what religion?

Panda

Catholicism

2

In 1792, what captain sailed into the mouth of the largest North American river flowing into the Pacific and named it for his vessel, the Columbia Rediviva?

7

What is a synonym for "hot wax painting"?

Robert Gray

encaustic

3

What is the probability of throwing a double three with two dice?

8

Paricutin was the first volcano to form in the Western Hemisphere since 1770. It appeared in 1943 in what country?

10

1/36 (or 1 in 36)

Mexico

4

During what wartime conference were these actions taken?

- setting up of zones for occupation of Germany and Berlin
- setting up an Allied Control Council of four powers
- Russian agreement to enter war against Japan

9

A legume is another name for a pod, a type of fruit produced either by beans or what other kind of plants?

Potsdam Conference

peas

5

The main trade barriers are import quotas and what kind of duties imposed by a government on imported goods?

10

Pathophobia is the fear of what?

20

tariffs

disease

Grace University High School Quiz Bowl - 2018

Round # 4

20

Afternoon

11

A person singing near a piano causes those piano strings which produce similar frequencies to vibrate. What adjective describes such vibrations?

16

In a divorce case, what is the term for the right to house, care for, and discipline a child?

50

sympathetic

custody

12

The Egyptian obelisks symbolized or honored what Sun god?

17

From 1931 to 1941, all graduating cadets of Japan's Naval Academy were asked how they would carry out a surprise attack on what American naval base?

30

10

Ra

Pearl Harbor

13

The MMR vaccine protects against rubella, measles, and what else?

18

What group of volunteer cavalymen in the Spanish-American War was also known as Wood's Weary Walkers?

35

15

mumps

Rough Riders (1st U.S. Volunteer Cavalry)

14

What is the term for the rendering of a work originally written in one genre into another?

19

The space telescope that identified some 1200 exoplanets, including 54 Earth-sized candidates within habitable zones was named after what 17th-century German astronomer and mathematician?

60

adaptation

Johannes Kepler

15

The Corinthian hero Bellerophon was aboard Pegasus when he slew what fire-breathing monster with features of a lion, goat, and serpent?

20

These words of 1912 were from a survivor of what ship?

We could see rows of lights along the decks begin to slant gradually upward from the bow. The sinking was slow. The slant seemed greater about every quarter of an hour. Two hours later, it began its final slide gently downward until it was gone.

45

Chimera

Titanic

65

Grace University High School Quiz Bowl - 2018

Round # 4

Afternoon

21

Sublimation, fusion, and evaporation may all contribute to what general process that removes snow and ice from the surface of glaciers?

ablation

22

In 2017, a gunman killed 26 people attending a Baptist church in what small Texas town?

Sutherland Springs

23

Matt drove off at 30 miles per hour. Marnie took off after him 3 hours later averaging 50 miles per hour. She should overtake him in how many hours?

24

Fred just wired his cabin. He turned on some lights and all was well. He turned on a fan and his refrigerator and all was still fine. But, when he turned on his toaster, the circuit breaker opened, and everything went off. What type of electrical circuit does he have?

4.5

25

An object must reach a speed of about 6.9 miles per second to break away from the Earth's gravitational field. Name this velocity.

15

escape velocity

26

What field of science deals with the study and application of sound waves that pass a given point at least 20,000 times per second?

ultrasonics (ultrasound)

27

In 1999, resulting from renewed investigations of the Waco tragedy involving the Branch Davidians, the relationship between the nation's top prosecutors and its premier police agency sank to a new low. Name either of these organizations.

Department of Justice, FBI

28

What is the other name for the delegated powers of the federal government as defined in Article I of the Constitution?

enumerated powers

29

The phrases "solar minimum" and "solar maximum" refer to what observable phenomena on the Sun's surface?

sunspots

30

Plants anchor themselves in soil with one of two types of systems. One is the fibrous root system. Name the other characterized by a stout main root.

taproot system

75

Grace University High School Quiz Bowl - 2018

Round # 4

75

15

Afternoon

31

Tolstoy's "War and Peace" is partly an account of what 1812 battle named for a village west of Moscow?

Battle of Borodino

32

Something with a pinnate shape resembles what structure associated with birds?

a feather

33

What patron saint is often depicted banishing serpents and bearing a shamrock?

St. Patrick

34

What is the Hawaiian term for lava that pours out quickly and forms a brittle crust that is then torn into jagged pieces as the molten lava beneath continues to move?

90

aa

35

What set of principles presented to the U.S. Congress by President Wilson included eight that dealt with specific territorial issues among the combatant nations, five relating to fundamental policies for world peace, and one relating to a proposed League of Nations?

100

Fourteen Points

36

In 2016, the Calexit movement in California was inspired by what similarly-named successful movement relating to the United Kingdom?

Brexit

37

Before going bad, fresh milk contains the sugar lactose, but in soured or spoiled milk, the lactose has been converted to what acid?

110

15

115

lactic acid

38

When the Trans-Siberian Railroad first opened in 1902, ferry steamers had to carry the trains across what exceedingly deep lake in Siberia?

Lake Baikal

39

The eccentricity of which conic section is zero?

circle

40

What figure of speech is illustrated in the first line of this passage?

O black and unknown bards of long ago,
How came your lips to touch the sacred fire?

apostrophe

Grace University High School Quiz Bowl - 2018

Round # 4

Afternoon

41

About the same time that John Andre was executed as a spy by the Continental Army, what co-conspirator was commissioned as a British brigadier general, given 6000 British pounds, a pension for his wife, and army commissions for his three sons?

25

Benedict Arnold

42

He was the editor of the New York Weekly Journal. He was central to a court case in 1734 dealing with the question of whether or not the press should be free to criticize acts of public officials. Name him.

John Peter Zenger

43

Much in the news in early 2018 was the DACA program. This acronym stands for what?

Deferred Action for Childhood Arrivals

44

Carl Sandburg is to fog as Joyce Kilmer is to what?

trees

45

What is the term for a court-ordered postponement of the death penalty?

stay of execution (stay)

46

You have inherited some Navajo rugs and want to have them professionally evaluated as to their value. What professional should you see?

appraiser

47

Name the soft boots usually made of seal or reindeer skin used by native Arctic people.

mukluks

48

In a criminal trial in the U.S., the defendant does not have any burden of what?

115

35

proof

49

In 1804, Stephen Decatur led a contingent of which branch of the American military to board and burn the U.S.S. Philadelphia after it had been captured by Tripolitan pirates?

Marines

50

What is the collective name for these kinds of beliefs?
-A bird in the house is a sign of death.
-Wear a blue bead to protect yourself from witches.
-Dropping a fork means a man is coming to visit.

superstitions

Grace University High School Quiz Bowl - 2018

Round # 4 125 35 Afternoon

51

Complete this statement illustrating recursion.
To understand recursion,
you must understand ...

56

The Gadsden Purchase was named for James Gadsden, the grandson of the Revolutionary War hero Christopher Gadsden who designed the Gadsden flag in 1775. That yellow flag featured a venomous viper with what inscription below it?

150

recursion

Don't tread on me.

52

IN 1942, the U.S. inflicted severe damage upon the Japanese fleet when intelligence services anticipated an attack upon what island northwest of Hawaii?

135

57

This is about the end of what outlaw gang?
In 1892, Bob, Grat, and Emmett, wearing crude disguises, together with gang members Dick Broadwell and Bill Powers, rode into Coffeyville. They were recognized instantly and a wild gun battle ensued, in which all but Emmett were killed.

Midway

Dalton Gang

53

On the basis of crystal size and mineral content, four main types of igneous rock can be distinguished. Which is missing from this list?
rhyolitic
gabbroic
basaltic

58

Name the partitions or transverse frames that strengthen airplane hulls.

granitic

bulkheads

54

When the Embargo Act of 1807 failed, it was replaced by the Non-Intercourse Act of 1809 which prohibited trade with two European countries. Name either.

140

59

What is the simplest of the five Platonic solids?

160

35

Great Britain, France

165

tetrahedron

55

Bacteremia, fungemia, and viremia are major types of what kind of poisoning?

60

Land plants can be divided into two general classifications, depending on whether or not they have specialized conductive tissues to transport material. What is the classification for those plants that possess such tissues?

blood poisoning

vascular

Grace University High School Quiz Bowl - 2018

Round # 4

Afternoon

61

A compound that contains iron in the +2 oxidation state is ferrous, while a compound with iron in the +3 oxidation state is what?

ferric

62

An incident involving what kind of aircraft led Premier Khrushchev to cancel a summit conference in Paris in 1960?

U-2

63

Making the audience believe that each performance is the first is called the illusion of what?

the first time

64

Name the type of muscles that can flatten or round the lens of the eye and enable an eye to focus on distant and near objects.

ciliary muscles

65

Although he could have, fortunately William Golding did not use this as the title of what novel?

A Being of High Rank and Authority in a Society of Two-winged Insects of the Order Diptera.

175

190

35

The Lord of the Flies

66

What first aid technique is recommended if a person has something lodged in his trachea?

Heimlich maneuver

67

In which of Stephen King's novels does the hero, who has the special power to predict the future, say this?
If you knew Hitler was going to do what he did to the Jews, would you kill him before he had the chance?

Dead Zone

68

A Hindu priest stole it from the forehead of an Indian temple idol. He was killed. A Frenchman who acquired it was torn to death by a pack of dogs. Identify this fabulous, cursed diamond presently housed at the Smithsonian Institution.

Hope Diamond

69

"Joy to the World" was written by what composer who also wrote "Messiah"?

George Handel

70

These lyrics are from a song illustrating what style of music?

If I feel tomorrow like I feel today
I'll stand right here, look a thousand miles away
If you ever been down, you know just how I feel,
Feel like an engine, ain't got no drivin' wheel.

blues

END

OF

ROUND

Grace University High School Quiz Bowl - 2018

Round # 5

Afternoon

1

What is a person hired to play a background role in a motion picture called?

10

6

Much in the news in 2017-2018, name the controversial private research firm behind the dossier containing numerous allegations about President Trump.

extra

Fusion (or Fusion GPS)

2

Of the four classifications of colloids, which one includes gelatin, agar, and jelly?

7

More than half of the Aleut Indians in the U.S. live in what state?

25

gel

Alaska

3

What is the term for the mating of individuals that are closely related?

8

What kind of neutron stars emit electromagnetic signals at precise intervals?

10

inbreeding

pulsars

4

A cannonball is shot straight up with an initial velocity of 175 meters per second. What is the average velocity of this projectile between the time it leaves the barrel and the time it reaches its maximum height?

9

Organ transplants are least likely to be rejected if both the organ donor and recipient are what kind of twins?

35

87.5 meters per second

identical twins

5

Blood with antigen A is type A. That with antigen B is type B. That with both antigens is type AB. Blood with neither antigen is what type?

10

When a judge sentences a guilty minor, one option is to order the enrollment of the offender into what kind of penal institution?

15

O

reform school (reformatory)

Grace University High School Quiz Bowl - 2018

Round # 5

35

10

Afternoon

11

If two waves are 180 degrees out of phase with one wave's crests coinciding with another wave's troughs, what is the resultant amplitude?

zero

12

Name either star in the constellation Orion that is at least 14,000 times brighter than our Sun.

Betelgeuse, Rigel

13

Up to 50,000 people could watch gladiators fight in the Roman Colosseum. What ancient Roman structure seated some 260,000 people during festivals?

45

Circus Maximus

14

This is from what novel?
About three days after my arrival in Blefuscu, by a lucky accident I happened to spy an overturned boat of my own size not far out to sea.

Gulliver's Travels

15

In 1940, every available ship and boat in England was ordered to what site to help evacuate some 340,000 men across the English Channel?

55

Dunkirk

16

When Columbus first crossed the Atlantic, he realized that the north end of his compass was a bit different from what the position of the stars indicated as north. He had discovered the angle between magnetic north and true north, called magnetic what?

declination

17

Name the U.S. federal program initiated by the Clinton administration that is similar in purpose to the Peace Corps project of President Kennedy.

AmeriCorps

18

Who discovered the principle that if the speed at which a gas or liquid flows across a surface is increased, then the pressure which it exerts on that surface decreases?

20

Daniel Bernoulli

19

On an alphabetical list of the countries of the Sahara Desert, which is first?

25

Algeria

20

At the time of the French Revolution, the clergy of the Roman Catholic church totaled less than one percent of the population and comprised which "estate"?

35

First Estate

Grace University High School Quiz Bowl - 2018

Round # 5

Afternoon

21

Enlightened absolutism is also called what kind of despotism?

benevolent despotism

22

What is the term for each of the taxonomic categories such as a phylum, family, class, order, genus, or species?

taxon

23

Name the phenomenon studied by Albert Einstein in which electrons are released from certain elements by the application of light.

65

35

photoelectric effect

24

What gas used in dentistry is also injected into the fuel lines of racing cars to improve acceleration?

nitrous oxide

25

A document written entirely in the author's own handwriting is called what kind of graph?

holograph

26

What are the next words in this quote from the poem, "Invictus"?

I am the master of my fate,
I am the captain of ...

45

my soul

27

In Thomas Bolt's "A Man for All Seasons," a central issue is the controversy surrounding the proposed dissolution of the marriage between Queen Catherine and what king?

50

Henry VIII

28

What in a rocket consists of the fuel and the oxidizer?

the propellant

29

An "OR" gate produces an output if it receives a pulse through either input wire. What kind of gate produces an output only if pulses are sent through both input wires at the same time?

AND

30

Those in the mid-20th century who sympathized with communism but never joined the party or declared themselves communists were called fellow what?

travelers

Grace University High School Quiz Bowl - 2018

Round # 5

65

50

Afternoon

31

Tranquilizers act on which of the two portions of the nervous system?

75

central nervous system

32

What arm of the Mediterranean was named after the king of Athens and father of Theseus who threw himself into the sea when he thought his son had died?

80

Aegean Sea

33

Boccaccio's "Decameron" tells 100 stories of people who flee Florence to escape what calamity devastating the city?

90

Black Death (plague, bubonic plague)

34

What synthetic, radioactive, transuranic element was named after a famous French couple?

95

curium

35

What sugar, much sweeter than sucrose, is in honey and fruits?

105

fructose

36

What fictional British detective lived at 221-B Baker Street in London?

110

50

Sherlock Holmes

37

The mouth of the Rhine River is in what country?

Netherlands (Holland)

38

In what town in Maryland is the grave of Francis Scott Key and the homes of Roger Taney and Barbara Frietchie?

120

Frederick

39

These phrases illustrate what writing error?

- octagonal in shape
- stubborn in nature
- in my own personal opinion
- the other alternative

redundancy

40

On an alphabetical list of the nine Muses, it happens that the Muse of astronomy is last. Name her.

Urania

Grace University High School Quiz Bowl - 2018

Round # 5

Afternoon

41

To make aqua regia, you mix three parts hydrochloric acid with one part of what other acid?

120

50

nitric

42

The New York Times published classified material about the expansion of the Vietnam War in 1971. Named for a U.S. military establishment, what popular name was given to this material?

Pentagon Papers

43

The lower esophageal sphincter is part of what body system?

60

digestive system

44

Name either of the two seas that the Hittite Empire bordered to its west.

65

Mediterranean, Aegean

45

In 1948, Alger Hiss was accused of having betrayed American secrets to the Russians in the 1930s. This event marked the beginning of what "scare"?

130

75

red scare

80

46

Name the hooklike mark placed beneath the consonant "c" in French to indicate an "s" pronunciation.

cedilla

47

She provided relief to the victims of the Florida yellow fever epidemic in 1887 and the Johnstown flood in 1889. But Clarissa is best remembered for organizing the American Association of the Red Cross in 1881. What was her last name?

Barton

48

Land in the vicinity of the Balkans was under control of what empire in the early 17th century?

Ottoman Empire

49

Aaron Copland named one of his ballets after what uniquely American sport?

rodeo

50

What U.S. state includes the Olympic Mountains?

Washington

Grace University High School Quiz Bowl - 2018

Round # 5

130

90 Afternoon

51

The name for what massive extinct mammal is also found in the name of a ski area and volcano in California, hot springs in Yellowstone, and a national park in Kentucky that includes the longest cave system in the world?

05

mammoth

56

The Zunis, the largest group of Pueblo Indians, live in what state?

140

95

New Mexico

52

Given that magnetite has a specific gravity of 5.2, what is the mass of a sample of magnetite 1 cm by 2 cm by 10 cm?

57

At ordinary room temperature, most bases exist in what state of matter?

145

104 grams

solid

53

What life form causes Dutch elm disease?

58

What is a synonym for "mercy killing"?

fungus

euthanasia

54

You manage to hypnotize your dad. While he's in the trance, you tell him that he will loan you his new Porsche every Friday night and that he would much prefer to cut the lawn himself. What adjective describes these types of suggestions?

59

What kind of nouns are these?
coughing
hailing
fretting

105

posthypnotic

gerunds

55

What one word completes this answer by Albert Einstein when he was asked to summarize the general theory of relativity in one sentence?

Time and space and gravitation have
no separate existence from ...

60

Pavarotti was one of three vocalists of the 1990s who rivaled Enrico Caruso as the all-time best tenor. Name one of the others.

matter

Placido Domingo, Jose Carreras

Grace University High School Quiz Bowl - 2018

Round # 5

Afternoon

61

Name the process by which a court arrives at a decision in a case or the procedure by which a case is heard and settled.

66

Many political philosophers contend that governments should be judged by the results of their policies in bringing about the greatest good for the greatest what?

1KT

95

adjudication

number

62

Name the chief port city of Chile.

67

If an object rotates when thrown, the center of gravity is also the center of what?

Valparaiso

rotation

63

What is the collective name for characters as created by Aristotle's student, Theophrastus, such as the boor, the officious man, the coward, the faultfinder, the arrogant man, and the flatterer?

68

The inclination of a moving body of the solar system is measured between angles of zero and how many degrees?

stock characters

180 degrees

64

What two colors are in the actual title of the painting, "Whistler's Mother"?

69

The Mendocino triple junction is formed where the Pacific plate, the Juan de Fuca plate, and what other plate meet?

165

105

gray, black

North American plate

65

The three types of federal courts include legislative courts, appellate courts, and what other?

70

Name the Union campaign which resulted in the capture of the last Confederate stronghold on the Mississippi.

district courts

Vicksburg

**END
OF
ROUND**

Grace University High School Quiz Bowl - 2018

Round # 6

Afternoon

1

What was the name of the world's first self-powered biplane?

6

Name the cylindrical sections of rock obtained from within the Earth by using hollow tube drills.

15

Flyer

core samples (cores)

2

In 1898, the USS Olympia made its way into Manila Bay. The captain of that vessel to whom George Dewey gave the order, "You may fire when you are ready," was Captain Charles who?

7

Of the four people struck by bullets during John Hinckley's attempted assassination of President Reagan, which one of them did not fully recover?

Gridley

James Brady

3

Blacks had to sign contracts for employment and were subject to arrest for vagrancy if they did not work. They were banned from insulting whites and were forbidden to bear arms. What is the collective name for these Southern laws passed prior to the Fourteenth Amendment?

8

What fairly common disease may be caused by the degeneration of the islets of Langerhans?

black codes

diabetes

4

What is the official religion in Turkey?

9

It is produced by the tree "hevea brasiliensis." It was first used by the Indians of South America. Name this milky fluid which is the raw material for natural rubber.

25

none (secular state)

latex

5

What is the most common compound formed from the second most common element in the universe?

10

What is the area of a rectangular room measuring $2p$ by $4p+5$?

10

none (Helium forms no compounds.)

$8(p^2) + 10p$

Grace University High School Quiz Bowl - 2018

Round # 6

90 Afternoon

11

A four-power conference held in Munich in September of 1938 involved French Premier Edouard Daladier, Generalissimo Benito Mussolini of Italy, Chancellor Adolf Hitler of Germany, and what British prime minister?

40

Neville Chamberlain

12

What theory set forth by Ptolemy placed Earth at the center of the universe?

45

geocentric (Ptolemaic)

13

What war began with a declaration issued in the same year that these things occurred?

Charles Dickens was born
Grimm's Fairy Tales published
Elgin Marbles brought to England
Napoleon retreated from Moscow

10

War of 1812

14

Cuprite is an oxide of what metallic mineral?

15

copper

15

Name the great peninsula that lies between the Black Sea and the Mediterranean.

25

Anatolia (Asia Minor)

16

What creature killed Victor's bride on their wedding night in a famous gothic romance by Mary Shelley?

30

45

Frankenstein monster

17

The concept of the "iron triangle" refers to mutually beneficial relationships between special interest groups, bureaucrats, and who else?

legislators (congressmen)

18

When you warm some milk in a pan and add a little vinegar, what white, rubbery protein forms on the surface?

19

What is the meaning of the prefix in these words?
misology
misogamy
misoneism

55

casein

hatred (revulsion)

20

Who wrote a letter that began with this?
I love your verses with all my heart, dear Miss Barrett, and this is no off-hand complimentary letter that I shall write.

Robert Browning

Grace University High School Quiz Bowl - 2018

Round # 6

Afternoon

21

The imaginary sphere of infinite extent with the Earth at the center and upon which the planets, stars, and all other heavenly bodies appear to be located is called what sphere?

celestial sphere

22

In 2015, what U.S. Army sergeant was charged with desertion and misbehavior before the enemy?

Bowe Bergdahl

23

In 1940, the German defeat in what battle lasting from August 8 to October 31 compelled them to abandon their plans to invade the British Isles?

Battle of Britain

24

In "Nineteen Eighty-Four," what name was given to the language eclipsed by Newspeak?

Oldspeak

25

2000 workers in a city were asked how they get to work. 800 drive cars, 490 ride commuter trains, 380 ride bikes, 120 walk, and 210 take a bus. What is the probability that a randomly selected worker in that city rides a bike to work?

.19 (or 19 in 100)

26

The rain shadow of the Andes makes what desert among the driest in the world?

Atacama

27

These muscles are located in what region of the human body?

pyramidalis
transversus abdominis
rectus abdominis

40

abdomen

28

This is a parody of what American poem?

See the doctors with their pills -
Silver-coated pills.
What a world of misery their calomel instills.
How they twingle, twingle, twingle in the
icy-golden night.

65

The Bells

29

What process used in glassmaking causes glass, when broken, to crumble into small chunks instead of splintering into jagged shards?

45

tempering

30

Comets sometimes have two tails, including a dust tail and what other tail consisting of electrically charged particles?

ion tail

Grace University High School Quiz Bowl - 2018

Round # 6

45

70

Afternoon

31

What is the term for that which carries the acoustic vibrations away from the body producing them?

36

What kind of star is large enough to swallow up 100 million Suns, even though it contains no more matter than our Sun?

90

medium

red giant

32

These are all associated with what mountain range? the Wilderness Road, Mount Mitchell, Blue Ridge, Mount Katahdin, Cumberland Plateau

37

Someone who bribes or intimidates one or more jury members to vote in a certain manner during a trial can be charged with what crime?

45

80

Appalachians

jury tampering

33

In casting, name the negative mold into which molten metal is poured.

38

Critics argue that the emergence of ISIS was facilitated by the withdrawal of U.S. troops from what country in 2011?

investment (casing)

Iraq

34

How many pints of 20% alcohol solution should be added to 40 pints of a 50% alcohol solution to make a 30% solution?

39

What constellation of the Southern Hemisphere was named for a Greek mythical monster with a human head but the torso and legs of a horse?

55

80

Centaurus

35

The first British prisoners arrived at Botany Bay, Australia, the year before George Washington first took office. So the prisoners arrived in what year?

40

Sperm whales sometimes stick their tails out of the water into the air, swing them around, and then slap them on the surface. Name this behavior.

1788

lobtailing

Grace University High School Quiz Bowl - 2018

Round # 6

Afternoon

41

What are the two major landfill gases?

methane, carbon dioxide

42

What phrase was used by the U.S. Department of Defense during the Vietnam War to indicate the number of Vietcong and North Vietnamese soldiers killed in battle?

body count

43

Who expressed this sentiment in other words when entering Mobile Bay in 1864?

Don't get into a tizzy about those underwater mines. Goose it!

David Farragut

44

This quote by Henry Morgan refers to what type of neurotic involved with theft?

A --- is a person who helps himself because he can't help himself.

100

kleptomaniac

45

These peaks are in what mountain range?

Mt. Jefferson

Mt. Hood

Mt. Adams

Mt. St. Helens

55

Cascades

46

The Columbia River Gorge is the only major break in what American mountain range?

Cascade Mountains

47

What adjective describes a baby or child whose body provides evidence of physical abuse such as bruises, cuts, scars, or fractures?

battered

48

East Timor was occupied by what country between 1975 and 1999?

Indonesia

49

In 1994, uprisings in the Mexican state of Chiapas occurred when Zapatistas blamed their poverty on political corruption within what political party that had ruled Mexico for 65 years?

Institutional Revolutionary Party

50

What is the general name for partner dances including the waltz, samba, tango, and fox trot?

ballroom dances

Grace University High School Quiz Bowl - 2018

Round # 6

Afternoon

51

Name the group of extremely reactive chemical elements with one less electron than the number required for stability.

55

115

120

halogens

52

What form of comedy was named for the paddle made of two pieces of wood that was used by a harlequin to produce a loud whacking sound in mock stage fights?

65

slapstick

53

What World War II slogan regarding seagoing vessels had the same general sense as this slogan also used at the time?

Careless talk costs lives.

70

Loose lips sink ships.

54

A Montana city and an overland route from Montana to the Oregon Trail in Wyoming was named for the frontiersman, John who?

Bozeman

55

What is the role of an actor who stands in for another actor in scenes involving dangerous circumstances or requiring special skills?

130

double

56

What name for a particle that contains one proton and one neutron is the same as that for the nucleus of deuterium?

deuteron

57

Messenger, ribosomal, and transfer are main types of what kind of genetic molecules?

140

RNA

58

These are examples of what kinds of words?
petrol and petrel, ending with "ol" and "el"
minor and miner, ending with "or" and "er"
baron and barren, ending with "on" and "en"
gambol and gamble, ending with "ol" and "le"

80

homophones

59

Used as a household fuel and refrigerant, what hydrocarbon is a gas, one molecule of which consists of 4 carbon atoms and 10 hydrogen atoms?

butane

60

Ripple marks and erosion of rocky outcrops on the ocean floor are evidence of what kind of relatively slow, deep ocean circulation resulting from differences in seawater density caused by temperature and salinity?

thermohaline circulation

Grace University High School Quiz Bowl - 2018

Round # 6

Afternoon

61

The legal right of a person to refuse medical aid that might sustain life is called the right to do what?

85

66

Prior to the introduction of the euro, what was the basic unit of currency in Greece?

165

to die

drachma

62

Name the marine autotrophic organisms whose billions upon billions of remains form the White Cliffs of Dover.

67

What is the largest mountain range north of the Yukon River?

150

177

diatoms

Brooks Range

63

This is about what country?
Its Chittagong Hills include the highest parts of the nation. The rest lies low, with elevations reaching only 900 feet in the hill country and much lower on the vast deltaic plains on the Brahmaputra, Ganges, and Meghna rivers.

68

The letter "k" appears two times in what term indicating a small open booth used as a newsstand?

Bangladesh

kiosk

64

This refers to what empire?
In 525 B.C., Cyrus's son Cambyses II added Egypt to the empire. Under Darius the Great, the empire was divided into 20 provinces under administrators called satraps.

69

What much publicized Cold War disparity between the U.S. and the Soviet Union did the 1964 movie, "Dr. Strangelove" spoof when characters spoke of the "doomsday machine gap" and the "mine shaft gap"?

95

Persia

missile gap (or bomber gap)

65

Name the carcinogen in Agent Orange.

70

What kind of fog is produced when the air is warmer and more moist than the ground surface it moves over?

dioxin

advection fog

END

OF

ROUND

Grace University High School Quiz Bowl - 2018

Round # 7

Afternoon

1

Complete this statement of Charles' Law.
At a constant pressure the volume occupied by
a fixed mass of gas is directly proportional to
the absolute ...

6

temperature

2

What category of storm over the ocean is stronger
than a tropical depression but weaker than a hurricane?

6

tropical storm

3

Name the type of word misuse illustrated in these
examples from "Much Ado about Nothing."

- We have comprehended two auspicious
persons, and we would have them examined.
- Is our whole dissembly appeared?
- Thou wilt be condemned into everlasting
redemption for this.

N

malapropism

4

The radius and ulna are part of the appendicular
skeleton while the incus and malleus are parts of what
other skeleton?

axial skeleton

5

In what play in which King Henry VIII wants his
marriage to Catherine of Aragon annulled does he
have Sir Thomas More executed?

A Man for All Seasons

6

What kind of landforms are these real or imaginary
locations?

- Troll Wall in Norway
- southwest face of El Capitan in Yosemite
- headwall of Trango Towers in Pakistan
- St. John's Head in Scotland
- of Dover
- of Insanity

cliffs

7

These lines are from a poem about what visionary
American merchant and financier?

"Once more, my gallant boys!" he cried,
Three times! You know the fable,
"I'll make it thirty," muttered he,
"But I will lay the cable!"

Cyrus Field

8

In 1944, what American general said this to troops
under his command?

The eyes of the world are upon you. The hopes
and prayers of liberty-loving people everywhere
march with you.

G

Dwight Eisenhower

9

What is the term for plants that are specifically
cultured to have considerably shorter than normal
growth for the species?

/

dwarfs

10

Edam cheese is protected by a covering of what solid,
waxy hydrocarbon also used in candles?

paraffin

Grace University High School Quiz Bowl - 2018

Round # 7

Afternoon

11

Mr. Whitehurst loaned Cecil \$10,000 for six weeks at 49% interest. The lender is guilty of what crime?

usury (loansharking)

12

What giant star in the constellation Scorpio has a name that literally means "rival of Mars"?

Antares

13

Clamworms, earthworms, and leeches belong to what phylum?

Annelida (annelids)

14

Blood leaves the liver through what large vein that ascends through the abdomen?

(inferior) vena cava

15

In "The Odyssey," the hero must sail a narrow passage between a monster on a rock named Scylla and what treacherous whirlpool?

Charybdis

16

Water sinks to the ocean floor at the poles and flows toward the equator where the water is less dense. These slow-moving waters sometimes push what kind of nutrient-rich currents to the surface?

upwellings

17

What root-like structures anchor stalked crinoids, sponges, and seaweed to substrates?

holdfasts

18

Name either of the two seas closest to Point Barrow, Alaska.

Chukchi, Beaufort

19

In 1871, who headed the regime which systematically plundered between \$100 and \$200 million through faked leases, padded bills, false vouchers, kickbacks, and unnecessary repairs in New York City?

William Tweed

20

One of Hercules' tasks was to capture what kind of creature that lived in the wilds of Mount Erymanthos?

boar (Erymanthian boar)

Grace University High School Quiz Bowl - 2018

Round # 7

Afternoon

21

An element has an atomic number of 20 and a mass number of 42. How many neutrons does it contain?

N

26

What major harbor of North Vietnam was mined in 1972 by order of President Nixon to stem the flow of military supplies to the south?

22

Haiphong

22

Spell the heteronym which means either "a purpose" or "a liquor made from rice."

27

What kind of organic chemical compounds contained in the ergot fungus cause hallucinations?

sake

alkaloids

23

John Knox established the Presbyterian Church while leading the Protestant Reformation in what nation?

28

During Grant's presidency, who was the highest official proved to be involved in the Credit Mobilier scandal?

N

Scotland

Schuyler Colfax (or the vice president)

24

They saw extensive use in the Persian Gulf War. What kind of aircraft are these?

UH-1 Huey
AH-1W Super Cobra
AH-64A Apache

G

29

Located in current-day Kazakhstan, name the facility that served as the operations center for the Soviet Union's space program.

helicopters

Baikonur Cosmodrome

25

What sea that is adjacent to United States and Canada is an arm of the Arctic Ocean?

30

What did the ancient Greeks call the formless void that preceded the creation of the world?

Beaufort Sea

Chaos

Grace University High School Quiz Bowl - 2018

Round # 7

Afternoon

31

What is the acronym for the treaty signed by President Nixon in 1972 that limited each of the superpowers to two antiballistic missile systems and set quotas for intercontinental and submarine missiles?

36

What position is held by a person who writes an encyclical letter to members of a certain faith?

SALT (or SALT I)

Pope

32

Local anesthetics generally have what five-letter suffix in their names?

37

This is about what country?
Military rule, tainted by links to the corrupt regimes of deceased Francois Duvalier and his son, Jean-Claude Duvalier, dominated the 1980s.

-caine

Haiti

33

What strong smelling liquid or gas has one nitrogen atom and three hydrogen atoms tightly bonded?

N

38

Between August 1942 and February 1943, in the Allies' first major offensive action of the Pacific War, the U.S. fought a brutally hard air-sea-land campaign against the Japanese for possession of what island in the Solomons?

G

ammonia

Guadalcanal

34

Who was the coward in this verse?
Jesse James had a wife,
She's a mourner all her life.
His children they were brave.
Oh, the dirty little coward
That shot Mr. Howard,
Has laid poor Jesse in his grave.

39

What is the taxonomic classification for trees that produce naked seeds?

G

Robert Ford

gymnosperms

35

A 130-pound weight is 14 inches from the fulcrum.
How far from the fulcrum must a 140-pound weight be placed to keep everything balanced?

G

40

What nonfictional work by Jon Krakauer opens in 1992 when Christopher McCandless's body is found in an abandoned bus in Alaska?

13 inches

Into the Wild

Grace University High School Quiz Bowl - 2018

Round # 7

Afternoon

41

This is from what U.S. legislative act?

Every person who shall monopolize, or attempt to monopolize, or combine or conspire with any other person or persons, to monopolize any part of the trade or commerce among the several States, or with foreign nations, shall be deemed guilty of a felony, and, on conviction thereof, shall be punished.

Sherman Antitrust Act

42

By traveling by boat due west from different places on Long Island, you could end up on the mainland in New York or what two other states?

Connecticut, New Jersey

43

Practically all drilling in the Channel Tunnel between France and Britain was through what variety of limestone?

chalk (calcite)

44

Which stage in animal embryonic development precedes the gastrula?

blastula

45

What kind of phrases are parallel in this line?
Igor did not know whether to go dig in the graveyard or to start sewing together the parts he already had.

infinitive

46

The Cabot Strait is between Cape Breton Island and what huge island to its northeast?

Newfoundland

47

The National Museum of the American Indian is part of what enormous museum complex on the National Mall?

Smithsonian Institution

48

Complete this axiom of physical science.
Where the speed is great, the pressure is ...

small (little, diminished, etc.)

49

He learned to shoot in the U.S. Marine Corps, met his wife at a dance in Minsk, and was a self-proclaimed defector to Russia. Who was this person hired in 1963 for \$1.25 per hour to work at the Texas school book depository?

Lee Harvey Oswald

50

Name the enormous dam on the Nile River.

Aswan High Dam

Grace University High School Quiz Bowl - 2018

Round # 7

Afternoon

51

What freshwater game fish related to salmon with a showy, sail-like dorsal fin inhabits Arctic rivers and lakes?

56

Absciscic acid triggers dormancy and stimulates a plant to drop what?

1

grayling

leaves (fruit)

52

The Diaspora was the dispersion of what people from their native land?

57

Who composed the "Surprise Symphony"?

N

Jews

Franz Haydn

53

In what opera by Engelbert Humperdinck does a witch lure children into her dwelling with cakes and sweets and then shove them into her oven where they turn into gingerbread?

58

On an alphabetical list of the superior planets, which one is first?

Hansel and Gretel

Jupiter

54

What great Indian leader fell during the Battle of the Thames in the War of 1812?

59

What group of ancient peoples left Egypt around 1200 B.C. and traveled to Canaan?

Tecumseh

Hebrews (Israelites, Jews)

55

What is the meaning of the archaic verb, "meseems"?

60

Complete this line from the Constitution which essentially means that innocent relatives of traitors cannot be punished.

No attainder of treason shall work corruption of ...

It seems to me.

blood

Grace University High School Quiz Bowl - 2018

Round # 7

Afternoon

61

In addition to aerobic and anaerobic exercises, what category of exercise is done to stretch and lengthen muscles and improve range of motion?

flexibility exercise

62

What ancient priests of Gaul and Britain conducted the ritual of oak and mistletoe?

druids

63

Rima Conon, Rima Flammarion, and Rima Hadley are lunar features. What is a synonym for "rimae"?

rilles

64

Name the "leaves" of kelps.

fronds

65

If the premises are true and the conclusion false, then what can be said about the inference?

It is invalid (false).

66

These are words from what song?
If tomorrow all the things were gone,
I'd worked for all my life.
And I had to start again,
with just my children and my wife.
I'd thank my lucky stars to be living here today
Because the flag still stands for freedom,
and they can't take that away.

God Bless the USA

67

From the North Pole, all the constellations north of what equator are circumpolar constellations?

celestial equator

68

Name either French overseas department in the eastern Caribbean.

Martinique, Guadeloupe

69

What European queen died in 1901 after a reign of 63 years?

Victoria

70

What point of view allows the story narrator to be in several places at the same time and to see into the hearts and minds of all the characters?

omniscient

END

OF

ROUND

Grace University High School Quiz Bowl - 2018

Round # 8

Afternoon

1

The endoplasmic reticulum, the Golgi apparatus, lysosomes, and ribosomes are specialized cellular structures collectively known as what?

organelles

2

What kind of polygons contain a reflex angle?

concave polygons

3

What is the meaning of the term used repetitively in this line from "As You Like It"?

A second childhood is sans teeth, sans eyes, sans taste, sans everything.

without

4

What city is the setting for these plays?

Little Shop of Horrors
Saturday Night Fever
Hello, Dolly!
Rent

New York City

5

What type of body cells may be elongated into fibers that attain lengths of over 36 inches?

neurons (nerve cells)

6

What character created by Miguel Cervantes says these things?

Dying is such a waste of good health.
They say one madman makes a hundred
and love makes a thousand.
It's a windmill.
Pray, look again, Master. Yon be
not a dragon but a machine.

Sancho Panza

7

What noun indicates the language of the uneducated masses?

vernacular

8

What is the common name for the "neopallium" or "neocortex"?

cerebral cortex

9

What character in "Tom Sawyer" is trapped in a cave and starves to death?

Injun Joe

10

They serve as energy-storage molecules. They are a general group of organic substances that are insoluble in polar solvents such as water but dissolve readily in nonpolar solvents such as chloroform, ether, and benzene. Name them.

lipids

Grace University High School Quiz Bowl - 2018

Round # 8

Afternoon

11

What sedimentary rock is usually the precursor of the fine-grained metamorphic rock called slate?

shale (or siltstone)

12

What novel begins with these words?
It was love at first sight. The first time
Yossarian saw the chaplain he fell madly in
love with him.

Catch-22

13

If you send email and it fails to arrive at its intended recipient for any reason, the message returns to you. This is called a what?

bounce

14

In "Harper's Weekly," he was depicted as a scarecrow rising from a pool of mud. Name this publisher who ran for governor and served as a congressman from New York.

William Randolph Hearst

15

What historical Indo-Aryan language is the main liturgical language of Hinduism and Buddhism?

Sanskrit

16

Name the nuclear power plant ruined as a result of the 9.0 earthquake and subsequent tsunami that hit Japan in 2011.

Fukushima

17

"Heart of Dixie" is on the license plates of what state?

Alabama

18

According to John Kennedy's inaugural address in 1961, what are you supposed to ask?

Ask what you can do for your country.

19

What influential pamphlet published in 1776 denounced the British monarchy, called for American independence, and encouraged the adoption of republican forms of government?

Common Sense

20

Who said this in 1998?

I want to say one thing to the American people.
I want you to listen to me. I did not have
sexual relations with that woman, Miss
Lewinsky. I never told anybody to lie, not a
single time, never. These allegations are false.

Bill Clinton

Grace University High School Quiz Bowl - 2018

Round # 8

Afternoon

21

Fungi are composed of masses of filaments. Name them.

hyphae

22

What is the name for a spinning, often turbulent, spiralling flow of fluid within a limited area?

vortex

23

In the 1830s and 1840s, descendants of Dutch settlers left the British Cape Colony. These people consisted of pioneers called Voortrekkers and farmers called what?

Boers

24

What type of shale is saturated with hydrocarbons?

oil shale

25

What is the term for the money left over when government income is greater than government spending?

surplus (budget surplus)

26

In what musical by Rodgers and Hammerstein does Billy Bigelow, a guy with a bad temper, work for a carnival?

Carousel

27

Which of the four elements of medieval alchemy had characteristics exactly opposite of the element said to be hot and dry?

water (cold and wet)

28

What expression taken from boxing means that one is excused from an unpleasant or difficult situation by something which suddenly brings the situation to an end?

saved by the bell

29

These are lines from a poem about what fictional character popularized by Daniel Defoe?

-Oh! 'twas very sad and lonely

When I found myself the only

Population on this cultivated shore.

-But I had that fellow Friday

Just to keep the tavern tidy

-For I live on toasted lizards,

Prickly pears, and parrot gizzards

Robinson Crusoe

30

What conquistador who received an enormous ransom for Atahualpa nevertheless ordered his execution?

Francisco Pizarro

Grace University High School Quiz Bowl - 2018

Round # 8

Afternoon

31

What lawyer said this in 1925?

If today you can take a thing like evolution and make it a crime to teach it in the public schools, tomorrow you can make it a crime to teach it in the private schools and next you may ban books and newspapers.

Clarence Darrow

32

The theory of natural selection was proposed by Alfred Russel Wallace and what other famed British naturalist?

Charles Darwin

33

All rivers that flow into the western part of the Gulf of Bothnia have headwaters in what country?

Sweden

34

What is the name for larger masses of molten rock globs ejected during a volcanic eruption that harden before they reach the ground?

volcanic bombs

35

This is the beginning of a satirical paraphrase of what famous speech?

I haven't checked these figures, but, 87 years ago, I think it was, a number of individuals organized a government setup here in this country. Now, of course, we are dealing with this big difference of opinion, a civil disturbance you might say.

Gettysburg Address

36

What is another name for the sperm of fish?

milt

37

An expression meaning to behave properly or to display good manners is to mind your p's and what else?

q's

38

Calculate the area of an isosceles trapezoid if the bases are 22 feet and 10 feet and the legs are each 10 feet.

128

39

"Animosity" is an anagram for the phrase, "is no ..."

amity

40

The notion that political power is derived from the people and that the people retain the right to rescind any grant of power to the government is called popular what?

sovereignty

Grace University High School Quiz Bowl - 2018

Round # 8

Afternoon

41

Name the tubular, watertight structure that lines a drilled water well.

46

Historians generally agree there was insufficient evidence to support the convictions of Nicola Sacco and Bartolomeo who?

casing

Vanzetti

42

The Iberian Basin is just west of what country?

47

Fishing in the eastern Mediterranean declined following the completion of what dam on the Nile partly because it prevented the flow of nutrients downriver?

Spain (or Portugal)

Aswan (Aswan High) Dam

43

What is another name for a bull fiddle?

48

The United States and the Soviet Union were the two major players in what enduring war that ran from the 1950s through the 1980s?

double bass

Cold War

44

Iguacu Falls stretches along a three-kilometer rim shared by Argentina and what other country?

49

Consider this argument.
Since the polls show that lots of voters have a preference for candidate Mac McAuk, he must be great.
This logical fallacy is called an appeal to what?

Brazil

popular opinion

45

The deepest parts of the seabed are covered with ooze composed of the silica skeletons of what protozoans?

50

The modifiers in this statement by Thomas Jefferson are in what degrees?
I believe that banking institutions are more dangerous to our liberties than standing armies.

radiolarians (or diatoms)

positive and comparative degrees

Grace University High School Quiz Bowl - 2018

Round # 8

Afternoon

51

What word completes this quote by Thomas Jefferson?

When the people fear their government, there is tyranny; when the government fears the people, there is ...

liberty

52

What is another name for the third molars that erupt generally between the ages of 17 and 25?

wisdom teeth

53

Layered clouds are stratiform while globular clouds are what?

cumulus (cumuliform)

54

Judicial review allows the judiciary to hold specific legislative acts or executive actions to be unconstitutional. This power was first asserted by Chief Justice Marshall in Marbury v. Madison in 1803. It was not used again until 1857 in what case involving a slave?

Dred Scott

55

What is the molecular weight of carbon dioxide?

44

56

This parody about a cat is based on what work?

Whether 'tis better for a cat to suffer the cuffs and buffets of inclement weather that nature rains on those who roam abroad, or take a nap upon a scrap of carpet, and so by dozing melt the solid hours that clog the clock's bright gears with sullen time and stall the dinner bell.

Hamlet

57

The caduceus was a staff carried by what god?

Hermes (or Mercury)

58

The Russo-Japanese War of 1904-1905 began with a surprise naval attack on the Russian base at what port in Manchuria?

Port Arthur

59

Cuba is on which of the Earth's great plates?

Caribbean Plate

60

Fibrous, cartilaginous, and synovial are the three kinds of what structures in the body?

joints

Grace University High School Quiz Bowl - 2018

Round # 8

Afternoon

61

Tongs are what class of levers?

third class

62

Rudyard Kipling's final and most famous novel chronicles the adventures of an Irish orphan in India who becomes the disciple of a Tibetan monk while learning espionage from the British secret service. Name this work.

Kim

63

Between 1892 and 1943, more than 16 million immigrants passed through what island in New York Harbor?

Ellis Island

64

While a morning upslope wind is called a valley breeze, what is the name for an afternoon downslope wind?

mountain breeze

65

Upon what natural force is geotropism dependent?

gravity

66

What two extra words are in this modified version of the 3rd Amendment?

No soldier shall, in time of peace be drawn and quartered in any house, without the consent of the owner, nor in time of war, but in a manner to be prescribed by law.

drawn and

67

It was said to have 450 gates so wide that 850 men could enter abreast. Name this mythical Scandinavian hall of slain warriors and largest palace in Asgard.

Valhalla

68

What Asian people, feared for their brutality, laid waste to parts of Gaul and Italy when they were united under Attila?

Huns

69

An example of antimetabole is, "If you fail to plan, you plan to fail". Complete this other example.
The first will be last and ...

the last will be first

70

Name the cranial bones which lie between the frontal and occipital bones in the skull.

parietal bones

END

OF

ROUND

Grace University High School Quiz Bowl - 2018

Round # 9

Afternoon

1

While the creatures that cause malaria and giardia are endoparasites, what corresponding category of parasites cause scabies?

ectoparasites

2

What skill are you using if you begin to restate the Declaration of Independence in this way?

All of us pretty much agree that most everybody should have the same privileges, and that they have fundamental claims to live, be free, and seek fulfillment.

paraphrasing

3

Name the branch of geology concerned with studying the chemical and physical properties of minerals.

mineralogy

4

When Mao declared the founding of the people's republic in 1949, a flood of Chinese refugees fled to what British colony?

Hong Kong

5

The German High Seas Fleet lost 11 ships in what World War I battle?

Battle of Jutland

6

What natural substance formed from calcium carbonate is used as a mild abrasive in toothpaste, to raise the pH of acidic soil, to reduce perspiration on the hands of gymnasts and rock climbers, and in sticks to draw on rough surfaces?

chalk

7

This refers to what mythical character?

Alone and chained, he called upon the winds and waters to look on him and see how the gods tortured a god. He had committed no crime. He had merely loved mankind.

Prometheus

8

What crime is associated with Julio Iglesias' father, Frank Sinatra's son, J. Paul Getty's grandson, Aldo Moro, Adolph Coors III, Patty Hearst, and Charles Lindbergh II?

kidnapping

9

What one U.S. city has all these nicknames and more?
New York of the South
City of Festivals
The Crescent City
Queen of the Mississippi
Birthplace of Jazz

New Orleans

10

What body in the U.S. is similar in function to these foreign organizations?

Diet
Bundestag
Sejm
Knesset

Congress

Grace University High School Quiz Bowl - 2018

Round # 9

Afternoon

11

Potassium is usually stored under what liquid because of its reactivity with air and moisture?

kerosene

12

The exobase is the bottom of the exosphere and the top of what other atmospheric layer?

thermosphere

13

What legal field deals with the agreements and rules that govern relationships between nations?

international law

14

What is the adjectival form of totem?

totemic

15

In what kind of wave do the particles vibrate at right angles to the path along which it travels?

transverse wave

16

Value changes from pure hues are called tints or what?

shades

17

What was the Roman symbol of authority that consisted of a bundle of rods from which the head of an axe projected?

fascies

18

The Spanish Civil War was fought between the Nationalists led by Francisco Franco and what other faction loyal to the existing government?

Republicans

19

According to Mary Shelley, what is the last name of Alphonse, Caroline, Ernest, William, Elizabeth, and Victor?

Frankenstein

20

A diagram for plotting the surface temperatures of what bodies was created by Henry Norris Russell and Ejnar Hertzsprung?

stars

Grace University High School Quiz Bowl - 2018

Round # 9

Afternoon

21

In the 1860s, a crude internal combustion engine was patented by the German engineer, Nikolaus who?

26

Max is leasing an apartment. Since he is headed out to the Aleutians to study puffins for the next three months, he rents his apartment to an acquaintance for that time. Name this rental arrangement.

Otto

subletting

22

What part of the eye is now routinely reshaped using a laser?

27

What is the modern equivalent for this expression coined by Chaucer?
Of harmes two, the less is for to chuse.

cornea

Choose the lesser of two evils.

23

What term in music means a thirty-second note?

28

The deaths of all these people were related to what general cause?
John Belushi, Elvis Presley, Judy Garland,
River Phoenix, Whitney Houston, Margaux
Hemingway, Michael Jackson, Marilyn Monroe

demisemi-quaver

drugs (drug abuse, substance abuse)

24

Identify the hinged plates on the wings of aircraft that are raised during landings to reduce lift and increase drag.

29

The elongation or shortening of a material under stress is defined as what?

spoilers

strain

25

The marketing technique in which a company presents slanted, misleading, or false claims of its environmental responsibility is called what kind of washing?

30

The Asian tiger mosquito first entered the U.S. in 1985. It carries the virus causing Eastern equine encephalitis that infects what organ in humans?

greenwashing

brain

Grace University High School Quiz Bowl - 2018

Round # 9

Afternoon

31

Name the northernmost U.S. city with a population greater than 250,000 residents.

Anchorage

32

Erasmus Darwin predicted what technological development in this 18th-century passage?

Britain's sons shall guide huge sea-balloons
beneath the tossing tide; the diving castles,
roofed with spheric glass, ribbed with strong
oak, and barred with bolts of brass.

submarines

33

A Wisconsin biochemist discovered that irradiating many foods with ultraviolet light turns them into rich sources of what vitamin?

vitamin D

34

What is described when a botanist uses these terms?

spatulate
ovate
orbiculate
cordate
peltate

leaves (forms of blades)

35

Who selects the British cabinet?

the prime minister

36

Quinine is a bitter-tasting drug obtained from the bark of the cinchona tree. It checks the fever and chills associated with what disease?

malaria

37

One of the biggest impacts by an object from outer space in North America occurred 74 million years ago at a site now known as Manson Crater in what state?

Iowa

38

At what site in Utah do vehicles routinely run in excess of 400 miles per hour?

Bonneville Salt Flats

39

Who was the first king of ancient Israel?

Saul

40

In what category of foams does the gas form discrete pockets separated from one another?

closed-cell foam

Grace University High School Quiz Bowl - 2018

Round # 9

Afternoon

41

Name the historic region of south central Spain which is the scene of Cervantes' famous novel.

La Mancha

42

This quatrain by Percy Bysshe Shelley is about what meteorological phenomenon?

I am the daughter of Earth and Water,
And the nursling of the Sky,
I pass through the pores of the ocean and shores,
I change but I cannot die.

clouds

43

The word, "autophilia," is synonymous with what other term derived from the name of a Greek youth who was transformed into a flower after pining away for love of his own image in a pool of water?

narcissism

44

An excessively friendly politician who insincerely greets or welcomes people with apparent warmth is called what kind of a handler?

glad-handler

45

What World War I spy was an archetypal femme fatale?

Mata Hari

46

According to the World Health Organization, the greatest number of HIV infections are on what continent?

Africa

47

London is to West End as New York City is to what thoroughfare?

Broadway

48

When concentrated hydrochloric acid is oxidized by manganese dioxide, what halogen is given off?

chlorine

49

What figure of speech is in this passage from "Macbeth"?

Will all great Neptune's ocean wash this blood clean from my hand? No, this my hand will rather the multitudinous seas incarnadine making the green one red.

hyperbole

50

Each type of elementary particle, according to fundamental laws of nature, has a counterpart with an opposite electrical charge. Name these opposite types of particles.

antiparticles (or antimatter)

Grace University High School Quiz Bowl - 2018

Round # 9

Afternoon

51

Reminiscent of a South American domesticated mammal, what is the term for a Tibetan Buddhist holy man?

lama

52

What is the common name for a calculus or mineral concretion in the gallbladder or kidney?

stone

53

These are all in what novel by Michael Crichton?

- a maturity gene that accelerates aging
- a speaking orangutan
- genetically altered bioluminescent turtles
- a parrot that helps a boy with his homework

Next

54

Name the aircraft movement described as rotation around the longitudinal axis.

roll

55

What grammatical mood is illustrated in these sentences?

- Dr. Marrow asked that Ulna submit her research before the end of the week.
- The boss prefers that her employees be on time and not make personal calls during working hours.

subjunctive

56

Pyrolysis is the decomposition of a chemical compound by means of what?

heat

57

What kind of adjectives may be articles, pronominal adjectives, or numeral adjectives?

limiting adjectives

58

This is about what river?

As it flows northward from Khartoum, it passes through the arid Nubian Desert, where vegetation is often restricted to a strip twenty feet wide along its course.

Nile

59

A herniated disc, also known as a prolapsed or slipped disc, is most likely to occur in which region of the spine?

lumbar (lower)

60

What glaze of medium reflectance is between matte and gloss?

satin

Grace University High School Quiz Bowl - 2018

Round # 9

Afternoon

61

If you flew directly from Kotzebue to Nome, you would cross what major peninsula named after a former secretary of state?

Seward Peninsula

62

In 2017, a photo purchased at a garage sale for \$10 was estimated to have a value in the millions. It includes the image of Billy the Kid and what man who eventually killed him?

Pat Garrett

63

During what century did Martin Luther write "The Ninety-Five Theses"?

16th century

64

What Scottish-born American industrialist and philanthropist said this?

Private Property, the Law of Accumulation of Wealth, and the Law of Competition are the highest results of human experience, the soil in which society so far has produced the best fruit.

Andrew Carnegie

65

While the House of Representatives has a single visible leader, the Senate does not. Instead, what are its two most powerful leaders?

majority leader, minority leader

66

The unique property of this projection is that the great circle routes along which ships sail are shown as straight lines. Its main disadvantage is that countries furthest from the equator appear to be much bigger than they really are. Name this map projection.

Mercator

67

Spell the term for a unit of energy that is a homonym for a word meaning a precious stone.

joule

68

Ragtime, the earliest form of jazz, began its rise to popularity with the arrival in 1885 in St. Louis of a pianist and son of a former slave. His name was Scott who?

Joplin

69

The Great Wall of China extends from deep within China to the shore of what sea?

Yellow Sea

70

The Southern Hemisphere constellation Monoceros suggests the figure of what fabled equine?

unicorn

