

# BHS Quiz Bowl 2022

## Round 1

**1. Citadels**

Name the citadel of Moscow that was the Soviet Union's governmental headquarters.

Kremlin

**2. Taxonomy**

In biology, similar species make up what next highest taxonomic level?

genus

**3. Bones**

What is the largest and strongest bone of the human face?

mandible

**4. Birds**

Owls have powerful feet tipped with sharp claws known as what?

talons

**5. Subjects**

What is the subject of this sentence?  
Don't be lulled into thinking that he is merely a member of the lunatic fringe.

you

**6. Chemistry**

These steps occur in what kind of combustion?

Substance with a relatively low ignition.

Temperature release heat through oxidation fermentation.

Combustion occurs if oxygen is present.

spontaneous (combustion)

**7. International Relations**

Despite Woodrow Wilson's leading role in founding the League of Nations, the United States never joined. At that time, the U.S. opposed becoming involved in the quarrels of other nations, a policy known as what?

isolationism (isolationist)

**8. Etymology**

Alluding to a tradition in India, anything that is unreasonably immune to criticism or attack is said to be what kind of cow?

sacred cow

**9. Bridges**

The Lake Pontchartrain Causeway is 38 kilometers in length. Convert that measure to the nearest mile.

24 (miles)

**10. Monarchs**

Who in 2015 became the longest reigning monarch in British history?

(Queen) Elizabeth II

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## Round 1

**11. The Middle East**

What inland city is the largest in Arabia and the headquarters of the Saudi oil industry?

Riyadh

**12. Charges**

What kind of charge is given to an electrically neutral body that gains electrons?

negative

**13. Greek Gods**

Zeus took what form in order to seduce Europa?

bull

**14. The Circulatory System**

The jugular vein is in what part of the body?

neck

**15. Wounds**

What kind of wound is deeper than its width or length?

puncture wound (stab wound)

**16. Literature**

In the novel Jane Eyre by Charlotte Bronte, what is Jane's occupation?

governess

**17. States**

Name any two U.S. states named after kings.

Georgia, Louisiana,  
North Carolina, South Carolina

**18. First Aid**

The typical treatment for a torn ligament or a pulled muscle is R.I.C.E. This acronym stands for rest, ice, compression, and what?

elevation

**19. Polynomials**

Add  $3y^2 + 2y + 1$  and  $5y^2 - 7y$ .

$8y^2 - 5y + 1$

**20. Molecules**

What adjective describes a molecule consisting of two atoms?

diatomic

# BHS Quiz Bowl 2022

## Round 1

**21. Disease**

Which body system is directly affected by osteomyelitis, spina bifida, poliomyelitis, and osteoporosis?

skeletal (system)

**22. Fractional Percentages**

If  $37 \frac{1}{2}\%$  of  $x$  is 15, what is  $x$ ?

40

**23. Verbs**

What are the principal parts of the verb "lie"?

lie, lay, lain

**24. Proverbs**

What proverb conveys the following message?

All misfortune has its positive aspect.

Every cloud has a silver lining.

**25. Ecology**

The principal herbivores in what biome include caribou, musk oxen, arctic hares, voles, and lemmings?

tundra

**26. Circles**

360 degrees multiplied by a circle's radius is equal to what property of the circle?

circumference

**27. Parodies**

What is the original epigram that Will Rogers parodied with this statement?

A fool and his money are soon elected.

A fool and his money are soon parted.

**28. Proofreading**

What is meaning of the proofreading abbreviation "Frag?"

(sentence) fragment

**29. Polygons**

How many degrees are in each exterior angle of a decagon?

36 (degrees)

**30. Sculptures**

What work of art is Rodin's most famous sculpture of a pensive person?

The Thinker (Le Penseur)

# BHS Quiz Bowl 2022

## Round 1 Alternates

### A1. Radicals

What is the sixth root of 64?

2

### A6. Economics

What kind of market is the opposite of one in which government policies intervene in the provision of goods and the setting of prices?

free (market)

### A2. Money

A piece of paper money or currency is also known as a bank what?

(bank) note

### A3. Metals

The noble metals are those that resist corrosion and oxidation. The most common examples of these include ruthenium, rhodium, palladium, silver, osmium, iridium, platinum, and what other?

gold

### A4. Powers

What is 16 to the zero power?

1

### A5. Microbiology

This refers to what structural units in animals?

Most are microscopic, but some can measure several inches across, and others can be more than three feet long.

cells

# BHS Quiz Bowl 2022

## Round 2

**1. Prisons**

In what country was the Abu Ghraib prison?

Iraq

**2. Radiation**

What famous scientist dies of anemia, complicated by exposure to x-rays and radium?

(Marie) Curie

**3. Awards**

For his solo flight of 3600 miles in 1927, the first Distinguished Flying Cross was awarded to what captain of the U.S. Army Air Corps Reserve?

(Charles) Lindbergh

**4. The Olympics**

What are the three throwing events in the Olympic decathlon?

discus, shot put, javelin (throw)

**5. Areas of Study**

What word comes from the Greek for “love of wisdom” and refers to rational discussion of concepts such as existence and values and the use of logical analysis to develop ideas of how life should be lived?

philosophy

**6. Idioms**

What idiom meaning “stranded” comes from a nautical phrase for a ship that has been beached by a receding tide?

high and dry

**7. The Yukon**

Most of the rivers in the Yukon drains into what river?

(the) Yukon (River)

**8. The Indian Removal Act**

The Trail of Tears ended in territory that became what state?

Oklahoma

**9. Rivers**

Lewis and Clark followed the path cut by what river through the Cascades?

Columbia (River)

**10. The Richter Scale**

A magnitude 5 earthquake is how many times more energetic than a magnitude 4 earthquake?

10

# BHS Quiz Bowl 2022

## Round 2

**11. The Cabinet**

On an alphabetical list of U.S. Cabinet secretaries, which one falls between the secretary of labor and the secretary of transportation?

secretary of state

**16. French**

The French phrase “le main” refers to what body part?

(the) hand

**12. World Religions**

The Golden Temple in India averages 50,000 visitors daily. Some 13 million Muslims visit Mecca each year and around 10 million people visit Our Lady of Guadalupe Basilica in Mexico City. What is the term for such journeys to sacred places?

pilgrimages

**17. Weapons**

The Pershing II, Patriot, and Charpparral are all what kind of weapon?

missile

**13. Negative Exponents**

What is negative 4 to the negative third power?

-1/64

**18. U.S. History**

Immediately before it moved permanently to Washington, D.C., the capital of the United States was located in what city?

Philadelphia

**14. Paper Predecessors**

During the ancient Roman period, parchment made from sheepskin became the standard writing surface, replacing what other material made from a tall aquatic sedge?

papyrus

**19. Indirect Objects**

Either of which two words are omitted when a sentence includes an indirect object?

to, for

**15. Military Ranks**

What western military rank came from the Arabic naval title “amir al-bahr?”

admiral

**20. Markets**

In a buyer’s market, which are there more of: buyers or sellers?

sellers

# BHS Quiz Bowl 2022

## Round 2

**21. Modifiers**

What is the predicate adjective in this line?  
You are happy when skies are gray.

happy

**22. Punishments**

Those convicted of what broad category of crimes may face punishments that include probation, community service, short jail terms, or part-time imprisonment on weekends?

misdemeanors

**23. Combustion**

What colorless, odorless, and tasteless gas is produced by the incomplete burning of fossil fuels?

carbon monoxide  
(carbon dioxide, methane)

**24. Physics**

Name this scientific principle.

A body at rest remains at rest and a body in motion continues to move in a straight line at a uniform velocity unless acted on by some external force.

inertia (Newton's first law of motion)

**25. Aircraft Physics**

What is reduced on an aircraft by feathering a propeller?

drag (air resistance)

**26. Solutions**

Brine is a concentrated solution of water and what other compound?

salt (sodium chloride)

**27. Pentagons**

In a regular pentagon, what is the measure of an interior angle?

108 degrees

**28. Folk Songs**

In "Camptown Races," the singer is going to bet his money on the what?

bob-tail(ed) nag

**29. Ocean Currents**

When the Brazil current approaches South America, it deflects in what cardinal direction?

south

**30. Pacific Civilizations**

The Pacific was occupied by different cultures with the Melanesians in the west, the Micronesians in the north, and what group to the east?

Polynesians

# BHS Quiz Bowl 2022

## Round 2 Alternates

### A1. Christianity

What is the name for a community of monks or nuns supervised by an abbot or abbess?

abbey (convent, friary, monastery)

### A6. Cabinet Officials

What former member of the House of Representatives did Thomas Jefferson ask to be his secretary of state?

James Madison (Levi Lincoln Jr.)

### A2. Generals

Who headed the Nationalist faction during the Spanish Civil War?

(Francisco) Franco

### A3. Algebra

Solve this inequality.

$$2x + 5 < 7$$

$$\underline{x < 1}$$

### A4. Subtraction

From the greatest prime number less than 100 subtract the absolute value of  $-102$ .

$$\underline{-5}$$

### A5. Punctuation

How many punctuation marks are required in this example?

Sam Bass the acclaimed angling authority will be speaking to the Vermont Backlash Society next Thursday or Friday



# BHS Quiz Bowl 2022

## Round 3

**1. Perimeters**

What is the perimeter of a rectangle  $2x$  feet wide and  $(3x+1)$  feet long?

$10x + 2$  (feet)

**2. Root Words**

The stem of the word “vaccination” is derived from a Latin word referring to what kind of animals?

cows (cattle)

**3. Colonies**

Once part of the British Empire, Aden is located on the southern tip of what peninsula?

Arabian (Peninsula)

**4. Comet Calculations**

There were more comets clobbering a planet every week. There were 20 one week, 27 the next, 31 the next, 38 the 4th week, and 42 the fifth week. At this rate, in what week will at least 80 comets hit the planet?

12th (week)

**5. Broadway**

The following are all examples of what type of production?

Funny Girl  
Hello Dolly  
Cabaret  
My Fair Lady  
Grease

musicals

**6. Archipelagos**

The Strait of Magellan passes through an island archipelago that currently belongs to what nation?

Chile

**7. Writers**

T.S. Eliot was born in St. Louis, Missouri, but spent most of his mature years in what country?

United Kingdom (UK, England)

**8. Assassins**

Lee Harvey Oswald was to John F. Kennedy as James Earl Ray was to whom?

(Martin Luther) King (Jr.)

**9. Absolute Value**

If  $y = -1$ , what is the absolute value of  $y-5$ ?

6

**10. Skeletal System**

There are 52 bones in two human feet. To the nearest percent, this accounts for what percentage of all the bones in an adult human body?

25(%)

# BHS Quiz Bowl 2022

## Round 3

### 11. Marine Disasters

The U.S.S. Scorpion and the U.S.S. Thresher were both lost at sea. What kind of vessels were they?

submarines

### 12. Blood

On an alphabetical list of blood types, which is last?

(type) O (negative)

### 13. The Endocrine System

What substances produced in glands act as chemical messengers to control body functions such as growth, metabolism, and sexual development?

hormones

### 14. Greek Roots

In “trigonometry,” the prefix “tri” means three and “metry” means measurement. What is the meaning of the word element “gon?”

angle

### 15. Mechanics

In relation to mechanics, the ratio of the energy or power a machine delivers to the energy or power it receives defines what?

efficiency

### 16. Horticulture

In what form of gardening are foods produced without artificial preservatives?

organic (natural)

### 17. Bombs

The Little Boy atomic bomb dropped on Hiroshima had a yield of about 13 kilotons. About how many 13 kiloton bombs are equivalent to one megaton?

77

### 18. Museums

Which museums of the Smithsonian Institute has more visitors per year than any other museum in the world?

(National) Air and Space (Museum)

### 19. Treason

The Constitution states that treason against the U.S. consists only of levying war against the states, or adhering to their enemies, or giving them aid and what?

comfort

### 20. Inequalities

Solve this inequality for x.  
 $x/3 - x/4 > 1$

$x > 12$

# BHS Quiz Bowl 2022

## Round 3

### 21. Gases

Greenhouse gases include CO<sub>2</sub> or carbon dioxide, CH<sub>4</sub> or methane, N<sub>2</sub>O or nitrous oxide, and O<sub>3</sub>, which is what?

ozone

### 26. Big Guns

What branch of the Army carries its heaviest howitzers and guns?

artillery

### 22. Bird Idioms

An advocate of aggressive militaristic policies is known as a hawk. Someone who opposes military options and prefers negotiation or conciliation is known as what kind of bird?

dove

### 27. Colonial Ministers

When Roger Williams emigrated from England to Boston in 1631, he declined an offer to become minister of the first Boston congregation because it had not formally separated from what church?

Anglican (Church of England)

### 23. Presidents

Gerald Ford was the 38<sup>th</sup> president. What ordinal number corresponds to the presidency of John F. Kennedy?

35<sup>th</sup>

### 28. Averages

A set of five integers has a mean of 50 and a mode of 45. Two of the integers in the set are 41 and 46. What are the other three?

45, 45, and 73

### 24. Literature

What character created by an American author and humorist said this?

I didn't want to go back no more. I had stopped cussing because the widow didn't like it, but now I took to it again because pap hadn't no objections. It was pretty good times up in the woods there, take it all around.

Huckleberry Finn

### 29. Multiple Meanings

What term that refers to a series of stepped waterfalls may also indicate opacity of the lens in an eye?

cataract

### 25. Tributes

An elegy is a song, poem, or speech lamenting someone who is in what condition?

dead

### 30. 20<sup>th</sup>-Century Europe

Who became Prime Minister of Italy in 1922?

(Benito) Mussolini

# BHS Quiz Bowl 2022

## Round 3 Alternates

### A1. Topography

In general, what causes anthropogenic features on Earth's surface?

man (humans, human activities, people)

### A6. Prison Riots

What New York prison was the site of a major riot in 1971?

Attica (Correctional Facility)

### A2. Algebraic Exponents

What is the square of x cubed?

x to the 6th (power)

### A3. General Knowledge

In the Battle of Saratoga, the American forces were under the command of Horatio Gates, Philip Schuyler, and what other general who later conspired with John Andre to surrender West Point to the British?

(Benedict) Arnold

### A4. Valuable Materials

Palladium, ruthenium, silver, platinum, osmium, iridium, and gold are regarded as precious what?

metals

### A5. Onomatopoeia

The sound of what animal is described as "ron-ron" in France and as "schnurr" in Germany?

cat

# BHS Quiz Bowl 2022

## Round 4

**1. Botany**

Through what process do plants change light energy into chemical bond energy?

photosynthesis

**2. Deadly Force**

In 1770, Captain Thomas Preston was the British officer in charge when his squad of soldiers fired on a crowd, killing five Massachusetts citizens. To help arouse public protests, patriot leaders gave what name to this incident?

Boston Massacre

**3. Banking**

A fixed amount of money that must remain in a bank account to avoid paying fees is what kind of balance?

minimum

**4. Currency Computations**

Zeke has a total of 12 bills in a jar under his cabin. Those that are not \$5 bills are \$10 bills. If the total value of the 12 bills is \$115. How many \$10 bills does he have?

11

**5. Conics**

A conic section is the intersection of a plane and what else?

a cone

**6. African Resources**

Johannesburg was founded in 1886 and soon had a population of 100,000 working in the mines extracting what mineral?

gold

**7. Prefixes**

What are the meanings of the two prefixes used in this line?

Archaeobacteria are found in and near hydrothermal vents on the ocean floor.

ancient (old, primal), water

**8. Sentence Analysis**

What is the object complement in this example?

The team declared its coach nonessential.

nonessential

**9. Phrases**

What is the function of the gerund phrase in this example?

The sudden screaming of the cougar broke the silence of the night.

subject

**10. Metaphors**

Quibbling over fine distinctions is splitting what?

hairs

# BHS Quiz Bowl 2022

## Round 4

### 11. Aviation Expressions

Reminiscent of a folded paper container, what phrase meaning to go to extremes comes from flight testing in the 1950s when aircraft were flown to the limits of their safe performance?

push(ing) the envelope

### 16. Deltas

The world's largest delta empties into what Asian bay?

(Bay of) Bengal

### 12. Medicine

What modern medical practice was promoted by a 13<sup>th</sup> century Dominican friar who found that sponges soaked in an opiate and applied to a patient's nose put him to sleep before surgery?

anesthesia (anesthesiology)

### 17. Mathematics

If the tens digit of a two-digit number is 3 less than the units digit and the sum of the digits is 11, what is the number?

47

### 13. Acrostics

What word is formed by this acrostic?  
Peter rice eats fish and catches eels.

preface

### 18. Conscription

In the U.S., national conscription was first imposed during what conflict?

Civil War

### 14. Ports

Dunkirk is a seaport on the northern coast of what country?

France

### 19. Military Titles

What rank in the U.S. army is most similar to that of a Japanese shogun?

general

### 15. Foreign Trade

The balance of trade is essentially the ratio of what is paid for imports to that which is earned from what?

exports

### 20. Heat-Related Illnesses

The failure of what kind of physiological regulation may lead to heat cramps, heat exhaustion, and heat stroke?

thermoregulation

# BHS Quiz Bowl 2022

## Round 4

**21. Rectangles**

What is the diagonal of a rectangle if the sides are 30 and 40?

50

**22. Military Vehicles**

In 1909, the Army purchased its first plane from whom?

(the) Wright brothers  
(Oliver and Wilbur Wright)

**23. Folk Heroes**

When the legendary John Henry died, he was working on what tunnel in West Virginia?

Big Bend (Tunnel)

**24. Cubes**

The cube of  $x + y$  is  $x^3 + 3x^2y$  plus what?

$3xy^2 + y^3$

**25. Biology Antonyms**

What is the biological antonym of "extant?"

extinct

**26. Dislocations**

What kind of dislocation occurs when the humerus separates from the scapula at the glenohumeral joint?

shoulder separation (shoulder dislocation)

**27. Wars**

The Boer War occurred on what continent?

Africa

**28. Tides**

What adjective indicates the region between the low- and high-water tide marks?

intertidal

**29. Scientific Notation**

Express 96 billion in scientific notation.

$9.6 \times 10$  to the  $10^{\text{th}}$  (power)

**30. Teeth**

How many of an adult human's 32 permanent teeth are molars?

12

# BHS Quiz Bowl 2022

## Round 4 Alternates

### A1. Cities

What is the largest city in Alabama?

Birmingham

power

### A2. Assets

A company bought several new trucks a few years ago and now they are all worth much less than when they were purchased. Such a decrease in the value of an asset is called what?

depreciation

### A3. Scandinavia

Which Scandinavian country extends farthest north?

Norway

### A4. Canals

Consisting of three sections, what is the longest part of your alimentary canal?

small intestine

### A5. U.S. Political Traditions

The popular election of someone to serve as a police leader is a uniquely American tradition. Name this elected county official.

sheriff

### A6. Measurements

What is defined as work divided by time?



# BHS Quiz Bowl 2022

## Round 5

**1. Zoology**

All tetrapods have four what?

limbs (legs, feet)

**2. Independence**

What English colony in South America became an independent nation in 1966?

British Guiana (Guyana)

**3. Springs**

What is the name for a hot or cold water spring whose waters contains appreciable quantities of materials such as carbonates, sulfates, phosphates, and chlorides?

mineral spring (mineral bath)

**4. Financial Abbreviations**

What does the abbreviation mean in this line?

In preparation for the stockholder's meeting, the company's accountants prepared a P&L statement.

profit(s) and loss(es)

**5. Musical Misnomers**

Being neither British nor a horn, what woodwind has a name that is entirely a misnomer?

English horn

**6. Compounds**

Antioxidants are compounds that slow what chemical process?

oxidation

**7. Aviation**

What hazardous speed for an aircraft is lowered through the use of flaps?

stall speed

**8. Chemical Formulas**

What is the molecular formula of copper sulfide?

Cu<sub>2</sub>S

**9. Illumination**

In the Polk White House, what form of lighting replaced oil lamps and candles for the first time?

Gas (lights) (Gas lighting)

**10. Seas**

Karachi, Pakistan, is adjacent to what sea?

Arabian (Sea)

# BHS Quiz Bowl 2022

## Round 5

**11. Density**

Since copper is 8.9 times as dense as water, what is its specific gravity?

8.9

**12. State Nicknames**

Sometimes called the “Gem State” because nearly every type of gemstone has been found there, what state is also called the “Potato State?”

Idaho

**13. Weather**

Meteorologists provide what kind of notice when conditions are favorable for the development of tornadoes?

tornado watch

**14. Coins**

In ancient Greece, there were 6 obols in 1 drachma, 94 drachmas in 1 mina, and 60 mina in 1 talent. How many obols were in 1 talent?

33,840

**15. Mountains**

Since 1953, a 40-foot cliff near the summit of what Asian mountain has been known as the “Hillary Step?”

(Mount) Everest

**16. Proportionals**

What is the mean proportional between 9 and 16?

12

**17. Climates**

What major climate zone is located along the equator?

tropical zone (tropical, tropics)

**18. Probability**

One marble is drawn randomly from a bag with 3 red, 2 white, and 4 blue marbles. What is the probability that it is blue or red?

7/9

**19. Lotteries**

The winnings from a small lottery are to be divided in the ratio of 5 to 2 to 1. The total amount was \$8800. What is the biggest share?

\$5500

**20. Football**

What is the phrase for the time that a punted football remains in the air?

hangtime

# BHS Quiz Bowl 2022

## Round 5

### 21. The Skeletal System

These bones comprise what part of the skeletal system?

frontal bones  
parietal bones  
temporal bones  
occipital bone

cranium (skull)

### 26. Thought

What is the term for broad statements, principles, or rules inferred from particular facts or instances?

generalizations (inductions)

### 22. Plant Evolution

Since the first land plants lacked seeds, they reproduced by casting off tiny bodies called what?

spores

### 27. Inequalities

Solve this inequality for x.

$3(x+1)$  is greater than or equal to 9

x is greater than or equal to 2

### 23. Sports

The Stadio Flaminio is one of modern Rome's concrete outdoor stadiums designed especially for what sport?

soccer

### 28. Disorders

What body system is directly affected by eczema, carbuncles, and albinism?

integumentary system (skin)

### 24. Biomes

The greatest extent of taiga is located in what country?

Russia

### 29. The Metric System

If John Henry's hammer weighs nine pounds, what is its weight to the nearest whole kilogram?

4

### 25. Health Science

Deficiency diseases result from a lack of essential what?

nutrients (nutrition)

### 30. Bodies of Water

What kind of area in a sea or ocean is associated with the following names?

Sidra  
Aqaba  
Bothnia

gulf

# BHS Quiz Bowl 2022

## Round 5 Alternates

### A1. Conquerors

Alexander the Great hailed from what region of Greece?

Macedonia (Macedon)

### A6. Angles

What kind of angle is formed outside a polygon by any two of its adjacent sides?

external angle (exterior angle)

### A2. Empires

Name the northernmost African country that was once part of the British Empire.

Egypt

### A3. Mythology

Zeus gave something to the first woman with strict instructions that she should not open it. But of course she did. What was her name?

Pandora

### A4. Conjunctions

What conjunction usually follows these clauses?

It is a well-known fact  
It is strange  
It is a shame  
It is unfortunate

that

### A5. Battles

What military leader defeated the Mamluks at the Battle of the Pyramids in 1798?

Napoleon (Bonaparte)

# BHS Quiz Bowl 2022

## Round 6

**1. The Respiratory System**

What part of the respiratory system is supported and reinforced by a column of C-shaped cartilaginous rings?

trachea (windpipe)

**2. Parallelograms**

If quadrilateral ABCD is a parallelogram with congruent diagonals, it must be a what kind of quadrilateral?

rectangle

**3. Integers**

Find 3 consecutive integers whose product is 9240.

20, 21, 22

**4. Inequality Principles**

If  $a$  is greater than  $b$ , then  $a + c$  is greater than what?

$b + c$

**5. Exploration**

These instruments were all used by early explorers in what science or art?

cross-staff  
chronometer  
octant  
log and line  
mariner's compass  
astrolabe

navigation

**6. Matter**

Matter consists of elements, compounds, and mixtures. Which two are always homogeneous?

elements, compounds

**7. Geography**

If you were to fly due west from Okinawa, what is the next country you would fly over?

China

**8. Customs**

Geishas are traditional in what country?

Japan

**9. Monuments**

In 1884, the cornerstone of what monument was laid on Bedloe's Island in Upper New York Bay?

Statue of Liberty

**10. Cartesian Coordinates**

Which quadrant in a Cartesian coordinate system is between 3 and 6 o'clock?

quadrant 4

# BHS Quiz Bowl 2022

## Round 6

**11. The Need for Speed**

In order to leave Earth and travel into interplanetary space, a rocket must reach 25,000 mph, a speed called what velocity?

escape (velocity)

**12. Dance**

While the reel was originally a Scottish dance, it caught on in the 1800s in the U.S., and its most popular version was named for which state?

Virginia

**13. Anatomy**

The presence of food in the pharynx stimulates what physiological reaction?

swallow(ing) (deglutition)

**14. Representation**

Name the process by which seats in the U.S. House of Representatives are periodically redistributed among the states.

(re)apportionment

**15. Apples**

What is the probability of randomly selecting a green apple from a bag holding 5 red, 6 green, and 4 yellow apples?

2/5 (2 in 5, .4, 40%)

**16. Canada**

Prince Edward Island is one of the three Canadian maritime provinces. Name either of the other two.

New Brunswick, Nova Scotia

**17. Card Games**

If you pull one card from a standard deck, what is the probability (in the lowest terms) that it is either a black jack or a red five?

1 in 13

**18. Gold**

How many carats are in an alloy containing 14 parts gold and 10 parts of another metal?

14 (carats)

**19. British Columbia**

What three U.S. states form parts of the southern boundary of British Columbia?

Washington, Idaho, Montana

**20. Massacres**

In 1876, 212 cavalrymen led by whom were surrounded and killed by Sioux Indians?

(George Armstrong) Custer

# BHS Quiz Bowl 2022

## Round 6

### 21. Titles

What official title did these men hold?

Ivan IV  
Feodor III  
Peter I  
Nicholas II

czar (tsar)

### 26. The Roman Empire

Around the year 64 AD, what Roman emperor initiated the persecution of Christians and witnessed the burning of Rome?

Nero

### 22. Volcanoes

In what state are these volcanoes located?

Mount Shishaldin  
Mount Pavlof  
Mount Redoubt  
Mount Kupreanof  
Mount Katmai

Alaska

### 27. Algebraic Equations

Solve the following for x.

$$1/x + 2/x + 3/x = 2$$

x = 3

### 23. Territories

What unincorporated territory of the United States is west of the U.S. Virgin Islands?

Puerto Rico

### 28. Europe

If you fly directly west from Bern, Switzerland, how many other countries do you cross before reaching the Atlantic?

1

### 24. Mideast History

In 1967, Israel gained control of what territory in the Levant?

Golan Heights

### 29. Seeds

Seeds must be carried away from the parent plant, a process known as what?

dispersal (dispersion, distribution, propagation, dissemination)

### 25. Bodies of Water

What body of water in the Mideast has a salt concentration seven times greater than the Mediterranean's?

Dead Sea

### 30. Portmanteaus

The term "moped" is a blend of what two words?

motor, pedal(er)

# BHS Quiz Bowl 2022

## Round 6 Alternates

### A1. Maritime History

What is the term for the deliberate sinking of a ship by encouraging unlimited water to flow into the hull?

scuttling (scuttle)

### A2. Mammals

What order of mammals includes gerbils, porcupines, beavers, chipmunks, guinea pigs, voles, squirrels, mice, and rats?

Rodentia (rodents)

### A3. Inequalities

What is the value of  $x$  in this inequality?

The absolute value of  $x-5$  is equal to or less than zero.

5

### A4. Migrants

What was the collective nickname for migrants to California in the gold rush of 1849?

forty-niners

### A5. European Structures

What construction in Germany that was more than 100 kilometers in length was dismantled in 1989?

Berlin Wall