

2021 Stateline Junior Quiz Bowl

Game 1

Buzz-In Round

(1) Name the element that fuses in stars to form helium; is the first element on the periodic table; and has chemical symbol H.

ANSWER: hydrogen (accept H before it is read)

(2) What Greek god appeared to Leda in the form of a swan, and was the father of Helen of Troy despite being the husband of Hera?

ANSWER: Zeus

(3) The Buffon's needle experiment estimated what number, which is approximately equal to twenty-two over seven, and whose decimal expansion starts "three point one four...?"

ANSWER: pi (prompt on "3.14" before it is read)

(4) What American poet of "Stopping by Woods on a Snowy Evening" wrote about paths that "diverged in a yellow wood" in "The Road Not Taken?"

ANSWER: Robert Frost (accept Robert Lee Frost)

(5) What Himalayan mountain was first climbed by Tenzing Norgay and Sir Edmund Hillary? It remains a challenge to mountaineers because it is the world's highest mountain.

ANSWER: Mount Everest

(6) The Rothschild's subspecies of what kind of animal, a relative of the okapi, has five ossicones on its head and a very long neck?

ANSWER: giraffe (accept Giraffa camelopardalis or Giraffa camelopardalis rothschildi)

(7) Name the artist who sings "you know I never meant to let you down" in his hit "Better Now," and says "seasons change and our love went cold" in "Circles."

ANSWER: Post Malone (accept Austin Post)

(8) What statue is called the “Mother of Exiles” in an Emma Lazarus poem carved into its base? It stands on a broken chain and lifts a torch above New York Harbor.

ANSWER: Statue of Liberty (accept Liberty Enlightening the World; accept La Liberté éclairant le monde)

(9) What religious title was once held by the “Warrior” Julius II [the second], and is currently held by Francis, who leads the Catholic church from Vatican City?

ANSWER: Pope (accept word forms like papacy; accept papa; accept Bishop of Rome; do not accept or prompt on “Bishop” alone)

(10) Eskers, drumlins, and moraines are left behind by the movement of what large, slow-moving bodies of ice?

ANSWER: glaciers

(11) A sign welcoming tourists to this “Fabulous” city is actually in nearby Paradise, as is most of the “strip” of this Nevada gambling town.

ANSWER: Las Vegas

(12) What literary character creates a glass elevator, a fizzy lifting drink, and a Whipple-Scrumptious Fudgemallow Delight bar in a Roald Dahl book about his chocolate factory?

ANSWER: Willy Wonka

(13) Name the American businessman who opened a plant in Dearborn, Michigan to mass-produce his Model T cars.

ANSWER: Henry Ford

(14) What three-volume novel written by J.R.R. Tolkien inspired a series of Peter Jackson films that follow the adventures of Gimli, Legolas, Frodo Baggins, and Gandalf?

ANSWER: The Lord of the Rings

(15) What European country contains the Black Forest, the source of the Danube River, and the cities of Munich and Frankfurt?

ANSWER: Germany (accept Federal Republic of Germany; accept Bundesrepublik Deutschland)

(16) What statistic, which also has harmonic and geometric types, is calculated for a list of numbers by adding all values and dividing by the total number of values in the list?

ANSWER: arithmetic mean (accept average)

(17) What fictional “Scarlet Speedster” has been the alter ego of Jay Garrick and Barry Allen in comic books and a CW show, in which he fights crimes with his super speed?

ANSWER: The Flash

(18) What U.S. city’s Millennium Park contains a monument nicknamed “The Bean” and a Frank Gehry-designed performance pavilion named for Jay Pritzker?

ANSWER: Chicago

(19) What American city was established to grow tobacco in Powhatan territory in what is now Virginia, and underwent a “Starving Time” in the 1600s?

ANSWER: Jamestown

(20) Anton Stadler asked Mozart to write a concerto featuring what woodwind instrument, which also plays *Rhapsody in Blue*’s opening glissando, and which is usually pitched in B-flat?

ANSWER: clarinet

Volleyball Round

(1) What American author used only fifty words to write about the persistent Sam-I-Am in the book *Green Eggs and Ham*?

ANSWER: Doctor Seuss (accept Theodore “Ted” Geisel)

(2) “Jane” at the Burpee Museum is believed to be a juvenile fossil of what species? The Field Museum’s “Sue” is an adult one of these carnivorous dinosaurs.

ANSWER: T. Rex (accept Tyrannosaurus rex)

(3) Chiron was what type of mythical creature, who battled the Lapiths in a fictional war, and had the torso of a man extending from the body of a horse?

ANSWER: centaurs

(4) John Philip Sousa wrote the “Liberty Bell” and “The Stars and Stripes Forever” in what musical style that is intended to help soldiers walk in time with each other?

ANSWER: military marches

(5) What geometric objects, which may be “skew,” “intersecting,” or “parallel,” extend infinitely in two directions and pass through points?

ANSWER: lines (accept skew lines; accept intersecting lines; accept parallel lines)

(6) Christina Aguilera sang “Reflection” and “Loyal Brave True” for a pair of Disney movies released in 1998 and 2020, which are both named for this Chinese hero.

ANSWER: Fa Mulan

(7) A white dwarf star that exceeds the Chandrasekhar limit can produce the Type IA one-A variety of what astronomical event, in which a star explodes very violently?

ANSWER: supernova (do not accept or prompt on “nova”)

(8) Aristophanes wrote his plays *The Clouds* and *The Frogs* in what ancient dramatic genre that focused on satire and lighthearted topics?

ANSWER: comedy (accept komodia)

(9) What tallest volcano on the island of Honshu last erupted in 1707, and can be seen on clear days from Tokyo?

ANSWER: Mount Fuji (accept Fuji-yama; accept Fuji-san)

(10) Sally Ride was the first woman to travel in what kind of reusable spacecraft built by NASA, exemplified by the *Columbia* and the *Challenger*?

ANSWER: Space Shuttles (accept Space Shuttle Challenger before “Columbia” is read)

(11) What kind of low-orbit observational device, named for James Webb, is scheduled to be launched in October of this year to replace another of these devices named for Edwin Hubble?

ANSWER: space telescope (accept Hubble Space Telescope; accept Webb Space Telescope)

(12) In what country did hostages learn to sympathize with their captors during a 1973 bank robbery, inspiring the unofficial term “Stockholm syndrome?”

ANSWER: Sweden (accept Kingdom of Sweden)

(13) Hexagonal tiles first appeared in the fifth game of what turn-based strategy series created Sid Meier, in which players simulate conquering the world as different empires?

ANSWER: Civilization (accept Sid Meier’s Civilization; accept Civilization V or Civ V)

(14) What American gymnast is the namesake of four different gymnastic techniques and won four gold medals, including the vault and the all-around competition, in the 2016 Summer Olympics?

ANSWER: Simone Biles

(15) On what February holiday were seven henchmen for Bugs Moran shot and killed in a garage on the North Side of Chicago in a “massacre” ordered by Al Capone?

ANSWER: Valentine’s Day Massacre (accept Saint Valentine’s Day Massacre)

Lightning Rounds

The categories are . . .

1. Insects
2. Art Supplies
3. Super Smash Brothers Characters

INSECTS

Identify the following about animals in the class Insecta.

(1) The number of legs that insects have.

ANSWER: six

(2) The central section of the insect body, from which the legs extend.

ANSWER: thorax

(3) Sensory organs that extend from the heads of insects to detect scent.

ANSWER: antennae

(4) Hard-shelled order of insects that includes weevils and scarabs.

ANSWER: beetles (accept Coleopterans)

(5) Common name for fly larvae, which can be used to clean dead flesh from wounds.

ANSWER: maggots

(6) Disease spread by deer ticks that causes a bulls-eye rash, joint pain, and exhaustion.

ANSWER: Lyme disease (accept Lyme borreliosis)

(7) Disease that is spread by mosquitoes and treated with quinine.

ANSWER: malaria

(8) Process by which some insects shed an external layer while growing.

ANSWER: molting (accept word forms)

(9) Insects from the family Formicidae whose "honeypot" variety store food inside members of their own colony.

ANSWER: ants

(10) Common name for the insect *D. melanogaster*, which is often used as a model organism in labs.

ANSWER: fruit fly

ART SUPPLIES

Identify the following related to the materials used to create art.

(1) Term for basic colors that mix to create other colors, such as red, yellow, and blue.

ANSWER: **primary** colors

(2) Metal alloy made of copper and tin, often used to cast sculptures.

ANSWER: **bronze**

(3) Quarried stone used to create carved statues like Michelangelo's *David*.

ANSWER: **marble**

(4) Painting done directly on a wall instead of on a canvas.

ANSWER: **murals** (accept **frescoes**)

(5) Type of paint, also called "aquarelle," in which pigment is suspended and thinned out with a non-oil liquid.

ANSWER: **watercolors**

(6) Art made of tiny pieces of glass or ceramic that fit around each other.

ANSWER: **mosaics**

(7) Art form, copied by Roy Lichtenstein, that uses "panels" and speech bubbles to tell a story with images.

ANSWER: **comics** (accept **cartoons**)

(8) Technique that can use a silk screen to mass-produce the same image repeatedly.

ANSWER: **printing** (accept **printmaking**; accept silkscreen **printing**)

(9) Oven used to "fire" ceramic sculptures and pots.

ANSWER: **kilns**

(10) Kinetic sculptures designed to move with the wind as they hang from the ceiling.

ANSWER: **mobiles**

SUPER SMASH BROTHERS CHARACTERS

Identify the following video game characters that appear in the *Super Smash Brothers* series, based on clues from *Smash* or their original games.

(1) Green-clad protagonist of *The Legend of Zelda*.

ANSWER: Link (accept Toon Link; accept Young Link)

(2) Dot-eating yellow circle whose original game is the oldest of any *Smash* fighter.

ANSWER: Pac-Man

(3) Princess of the Mushroom Kingdom, a clone fighter of Daisy.

ANSWER: Princess Peach (accept Princess Toadstool)

(4) Blue-armored robot whose hands can turn into cannons.

ANSWER: Mega Man

(5) Tie-wearing gorilla who has appeared in every *Smash* game.

ANSWER: Donkey Kong

(6) Female protagonist of the *Metroid* games.

ANSWER: Samus Aran

(7) Bat and yo-yo wielding star of *Earthbound*.

ANSWER: Ness

(8) Rival of Ken in *Street Fighter*.

ANSWER: Ryu

(9) Large, hammer-wielding penguin and rival of Kirby.

ANSWER: King Dedede

(10) *Fire Emblem* professor who joined the battle in January 2020.

ANSWER: Balth

Final Challenge

(1) What sport is played professionally by Becky Sauerbrunn, Alex Morgan, and Megan Rapinoe [ra-PEE-noh], who won the 2019 FIFA Women’s World Cup for the U.S.?

ANSWER: soccer (accept association football)

(2) Name the astronomical object where the Ranger 8 probe crashed into the Sea of Tranquility, a large natural satellite of Earth.

ANSWER: moon (accept Luna)

(3) What Frenchman ruled during the Hundred Days, after he escaped exile on the island of Elba and before his final defeat at Waterloo?

ANSWER: Napoléon Bonaparte (accept either name; accept Napoléon I [the first])

(4) Name the winter holiday celebrated by lighting a nine-branched menorah and spinning a dreidel [dray-dull], the Jewish festival of lights.

ANSWER: Hanukkah (accept Chanukah)

(5) In what Edgar Allan Poe short story does an unnamed narrator kill his housemate and then reveal his crime when he hears what he thinks is the beating of the title organ under his floorboards?

ANSWER: The Tell-Tale Heart

(6) What element, which bonds with oxygen to form hematite and oxidizes to form rust, has atomic number 26 and symbol Fe [F-E]?

ANSWER: iron (accept Fe before it is read)

(7) Name the civil rights activist who sparked the Montgomery bus boycott when she refused to give up her seat to a white bus passenger.

ANSWER: Rosa Parks (accept Rosa Louise McCauley Parks)

(8) What musical style’s “King” was Johann Strauss, who wrote “On the Beautiful Blue Danube” in this dance style in 3/4 [three-four] time?

ANSWER: waltz (accept Blue Danube Waltz)

(9) What mathematical concept is illustrated by the rooms of Hilbert's Hotel, describes the size of the set of whole numbers, and is symbolized by a sideways eight?

ANSWER: infinity (accept word forms; accept countably infinite)

(10) What country signed the Treaty of Guadalupe Hidalgo with the United States, making the Rio Grande the border between Texas and this country?

ANSWER: Mexico (accept United Mexican States or Estados Unidos Mexicanos)

(11) Name the fictional land where the Pevensie children rule after entering it through a wardrobe in a series of *Chronicles* written by C.S. Lewis.

ANSWER: Narnia (accept The Chronicles of Narnia)

(12) What mountain range contains Mount Elbert, is home to Glacier National Park, and runs through Montana, Utah, and Colorado?

ANSWER: Rocky Mountains (accept the Rockies)

(13) What sense in humans is processed by the glomerulus in the olfactory bulb when particles are inhaled through the nose?

ANSWER: sense of smell (accept olfaction or word forms like olfactory until "olfactory" is read)

(14) What artist, who sang "Never Be the Same," gave fans what they wanted when she started dating "Señorita" co-artist Shawn Mendes?

ANSWER: Camila Cabello (accept Karla Camila Cabello Estrabao; prompt on Estrabao)

(15) What physical property of a substance varies inversely with pressure in Boyle's Law, and is measured in liters?

ANSWER: volume

(16) Name the Disney film in which Meg's soul is saved from the River Styx by the title son of Zeus.

ANSWER: Hercules (do not accept or prompt on "Heracles")

(17) In what country did George Frederic Handel write *Music for the Royal Fireworks* and *Water Music*, a piece written for King George II to listen to on the River Thames?

ANSWER: United Kingdom of Great Britain and Ireland (accept UK; accept Great Britain; accept England)

(18) Chek Lap Kok Airport serves what city on the Pearl River, a Special Administrative Region that was controlled by the British until it was given back to China in 1997?

ANSWER: Hong Kong

(19) Name the Hans Christian Andersen fairy tale in which the title creature is mocked by a cat and his own siblings, but discovers as he grows up that he is actually a beautiful swan.

ANSWER: The Ugly Duckling (accept Den grimme aelling)

(20) Name the military leader who captured John Brown during the raid on Harpers Ferry and surrendered to Ulysses S. Grant at Appomattox Court House at the end of the Civil War.

ANSWER: Robert E. Lee (accept Robert Edward Lee)