

2022 Stateline Junior

Game 8

Scholastic Community Outreach Program

Buzz-In Round

(1) What section of the US Constitution declares the authors' intentions to "insure domestic tranquility" by establishing "a more perfect Union," and begins "We, the People?"

ANSWER: Preamble

(2) Name the Shakespeare play in which the Queen Mab speech is given by Mercutio while walking with Benvolio and one of this play's two title "star-crossed lovers."

ANSWER: Romeo and Juliet (accept The Tragedy of Romeo and Juliet)

(3) What team won its last Super Bowl with wide receivers Donald Driver, Greg Jennings, and Jordy Nelson, but has lost four NFC Championship Games since then under quarterback Aaron Rodgers?

ANSWER: Packers (accept Green Bay)

(4) Name the cell organelle that divides into two during mitosis to pass on DNA to two daughter cells, and that is the information center of the cell.

ANSWER: nucleus

(5) Name the U.S. city whose namesake bay contains the former Alcatraz prison and the Golden Gate Bridge

ANSWER: San Francisco (accept Frisco)

(6) What kind of vehicle is shown being towed in *The Fighting Temeraire*, a J.M.W. Turner painting of a decommissioned one of these vessels being towed to harbor?

ANSWER: ships (accept boats)

(7) What mathematical term is cubed in the formula for the volume of a sphere, since it measures half of a circle's diameter?

ANSWER: radius (accept radii)

(8) Name the Norse god who is destined to battle the Midgard Serpent at Ragnarök, and who wields the short-handled hammer Mjolnir [mee-YOLL-neer] in his role as the god of thunder.

ANSWER: Thor (accept Donar)

(9) Name the plant structure that contains the stamen and carpel, reproductive organs that are surrounded by this structure's colorful petals.

ANSWER: flower (accept obvious equivalents like bloom or blossom)

(10) What African country contains the ruins of Memphis and the Giza necropolis, which are near the modern city of Cairo on the Nile River?

ANSWER: Egypt (accept Arab Republic of Egypt; accept Misr or Masr; accept Jumhuriya Misr al-Arabiyyah; accept Gomhoreyet Masr el-Arabeyya)

(11) Which musical instrument is played by Louis Armstrong on "Hello Dolly," and by Dizzy Gillespie, who puffed out his cheeks to blow into this high-pitched brass instrument?

ANSWER: trumpet (accept specific types, such as bass trumpet or piccolo trumpet)

(12) Articles like "an" and "the" can be classified as what part of speech that can be modified by an adverb and describes something about a noun?

ANSWER: adjective (accept determiner)

(13) What singer has released albums titled *plus*, *multiply*, *divide*, and *equals*, the last of which features the hits “Shivers” and “Bad Habits?”

ANSWER: Ed Sheeran (accept Edward Christopher Sheeran)

(14) What name is shared by the “Sun King,” the husband of Marie Antoinette, and the only sainted king of France, after whom a city in Missouri is named?

ANSWER: Louis (accept Saint Louis or Louis IX; accept Louis XIV; accept Louis XVI)

(15) What type of rock develops from a “proto-lith” and, after being exposed to high pressure and temperature, becomes something that is neither igneous or sedimentary?

ANSWER: metamorphic rocks

(16) A 2019 Greta Gerwig film adapts what novel by Louisa May Alcott that follows the lives of sisters Meg, Jo, Beth, and Amy March?

ANSWER: Little Women

(17) What Nordic country’s Katla is one of the many active volcanoes near the capital city of Reykjavik, which is across the Denmark Strait from Greenland?

ANSWER: Iceland (accept Republic of Iceland; accept Ísland)

(18) Name the type of vertebrate animal that includes the “living fossil,” Coelacanth [SEE-lah-kanth], and whose “bony” varieties have swim bladders, fins, and gills for living underwater.

ANSWER: fish (accept fishes; accept bony fishes; accept lobe-finned fishes; prompt on “chordates”)

(19) What 2021 film’s main character is voiced by Stephanie Beatriz and does not have a special power, unlike the rest of the Madrigal family?

ANSWER: Encanto

(20) What U.S. state has been governed by Ronald Reagan and Arnold Schwarzenegger, and is currently led by Gavin Newsom, who was born in San Francisco?

ANSWER: California

Volleyball Round

(21) AZT is an anti-retroviral medication used to treat and prevent what syndrome, caused when the HIV virus weakens the immune syndrome?

ANSWER: AIDS (accept acquired immunodeficiency syndrome; accept HIV/AIDS; prompt on “HIV” before it is read)

(22) Athos, Porthos, and Aramis are the swashbuckling title characters of what adventure novel by Alexandre Dumas [doo-mah]?

ANSWER: The Three Musketeers (accept Les Trois Mousquetaires)

(23) Name the US state where Frank Lloyd Wright built his first Taliesin, near Spring Creek, and the Airplane House in Madison.

ANSWER: Wisconsin

(24) What science fiction franchise’s recent TV series includes a show that stars Sonequa Martin-Green as Michael Burnham, Spock’s adoptive sister who serves on the USS *Discovery*?

ANSWER: Star Trek (accept Star Trek: Discovery)

(25) To argue for managing the national debt, two *Reports on Public Credit* were written by what first US Secretary of the Treasury, who appears on the modern ten dollar bill?

ANSWER: Alexander Hamilton

(26) A “Great Barrier” on the northeast coast of Australia is the world’s largest example of what colorful aquatic system?

ANSWER: reef (accept coral reef; accept Great Barrier Reef)

(27) Orogeny [or-AH-juh-nee], in which tectonic plates compress and lift each other up, is the process by which what tall landforms are created?

ANSWER: mountains (accept mountain ranges)

(28) What name is given to both a segment connecting a triangle's vertex and its opposite midpoint, as well as the "middle number" of a set of numbers?

ANSWER: median

(29) A frustrating message system that lets people warn other players about ladders that are right in front of them is a much-criticized part of what 2022 FromSoftware, open-world, Souls-like game?

ANSWER: Elden Ring

(30) Nick Carraway narrates what F. Scott Fitzgerald novel, whose title figure throws lavish parties in West Egg in an attempt to win Daisy Buchanan back?

ANSWER: The Great Gatsby

(31) The My Lai [me lie] Massacre and Operation Rolling Thunder took place in what Southeast Asian war, out of which the US withdrew in 1973?

ANSWER: Vietnam War

(32) Medieval Byzantine emperors employed the Varangian Guard, a bodyguard force partially made up of what Norsemen who were more famous for using longboats to pillage northern Europe?

ANSWER: Vikings (prompt on "Scandinavians")

(33) Organic chemistry concerns compounds based around what atomic element, whose atomic number is 6 and whose symbol is C?

ANSWER: carbon

(34) In Egyptian art, the god Geb represents this object, and is frequently depicted under the star-covered goddess, Nut, who represents the sky.

ANSWER: Earth (accept equivalents like dry ground)

(35) Ambrose Bierce wrote the satirical *Devil's* one of what kind of book? It parodies works of this type published by Samuel Johnson and companies like Miriam-Webster.

ANSWER: dictionary (accept dictionaries; accept The Devil's Dictionary; accept A Dictionary of the English Language)

Lightning Rounds

The categories are . . .

1. State Capitals
2. Mythical Greek Animals
3. Organs of the Body

STATE CAPITALS

Name some U.S. state capitals, given landmarks and historical events that happened in them.

(1) Location of the tomb of Abraham Lincoln in Illinois.

ANSWER: **Springfield**

(2) Home of the main University of Wisconsin campus.

ANSWER: **Madison**

(3) City on the Hudson River in upstate New York.

ANSWER: **Albany**

(4) Texas city named for a politician who served under Sam Houston.

ANSWER: **Austin**

(5) One of the Twin Cities, along with Minneapolis.

ANSWER: **Saint Paul** (Minnesota)

(6) Southern city whose name is French for "red stick."

ANSWER: **Baton Rouge** (Louisiana)

(7) Music City, home to the Country Music Hall of Fame.

ANSWER: **Nashville** (Tennessee)

(8) City on the Susquehanna River, west of Philadelphia.

ANSWER: **Harrisburg** (Pennsylvania)

(9) City where Sherman began his March to the Sea.

ANSWER: **Atlanta** (Georgia)

(10) City where George Washington fought after crossing the Delaware.

ANSWER: **Trenton** (New Jersey)

MYTHICAL GREEK ANIMALS

Name some animals that appear in famous Greek myths. Some are specific, named animals, and some are a general type of animal.

(1) Three-headed dog that guards Hades.

ANSWER: Cerberus (accept Kerberos)

(2) Belerophon's winged horse.

ANSWER: Pegasus

(3) Animals sent by Hera to kill the baby Heracles.

ANSWER: snakes (accept serpents)

(4) The kind of big cat whose skin Heracles wears.

ANSWER: lion (accept Nemean lion)

(5) The kind of animal that fathered the Minotaur.

ANSWER: bulls (accept Cretan bull; cattle; accept cows)

(6) Sun-bird that regenerates in fire.

ANSWER: phoenix (accept phoinix)

(7) Creature with the back half of a lion and the head and wings of an eagle.

ANSWER: griffin (accept grups)

(8) Monster made of many animal parts, including the heads of a goat, a lion, and a snake.

ANSWER: chimera

(9) Horse-like animal whose ears Apollo gave to Midas as a curse.

ANSWER: donkey (accept synonyms like ass)

(10) The kind of wild animal with golden horns that pulled the chariot of Artemis.

ANSWER: deer (accept hind or Ceryneian hind; accept doe or female deer; accept stag or male deer, since the Ceryneian hind is sometimes described as male because of its horns)

ORGANS OF THE BODY

Name the following internal, human organs from their locations and functions.

(1) In the chest. Pumps blood through the body.

ANSWER: heart

(2) Below the esophagus. Uses acid to digest food.

ANSWER: stomach

(3) In the skull. Lobed organ that sends instructions to the rest of the body.

ANSWER: brain

(4) In the chest. Paired organs full of alveoli that trade oxygen for carbon dioxide.

ANSWER: lung

(5) Right side of the abdomen. Makes bile and can be damaged by cirrhosis.

ANSWER: liver

(6) In the back of the abdomen. Paired organs that send waste to the bladder.

ANSWER: kidney

(7) Functionless, vestigial organ attached to the cecum of the intestines.

ANSWER: appendix (accept vermiform appendix)

(8) Abdominal, digestive organ. Releases insulin.

ANSWER: pancreas

(9) Abdominal, lymphatic organ. Filters red blood cells in its red pulp.

ANSWER: spleen

(10) Small organ that releases bile into- the intestines.

ANSWER: gallbladder (do not accept or prompt on “bladder”)

Final Challenge

(36) What object in space, which is one Astronomical Unit from Earth, has a corona made of plasma that experiences namesake “flares?”

ANSWER: Sun

(37) What kind of transportation system was finished at Promontory Point with a golden spike, and allowed transcontinental travel?

ANSWER: rail (accept railroad or railway; accept transcontinental railroad; accept train or train line)

(38) What artist’s E.P. 7 [seven] is the shortest release to be nominated for Album of the Year at the Grammys, and includes the songs “Rodeo,” “Panini,” and “Old Town Road?”

ANSWER: Nas (accept Lil Nas X; accept Montero Lamar Hill)

(39) What bodily organ contains the Loop of Henle [HEN-lee], which helps this organ filter blood to produce urine? This organ is bean-shaped and comes in pairs.

ANSWER: kidneys

(40) Name the author who included the stories “Rikki-Tikki-Tavi” and “Toomai of the Elephants” in *The Jungle Book*.

ANSWER: Rudyard Kipling (accept Joseph Rudyard Kipling)

(41) What mathematical term describes the outer edge of a two-dimensional shape, and is equal to four times the side length of a square or the sum of the three sides of a triangle?

ANSWER: perimeter

(42) Name the profession of people who followed the bushido [boo-shee-doh] code and fought for daimyos [dah-ee-myohs], feudal lords in medieval Japan.

ANSWER: samurai (prompt on “swordsmen,” “soldiers,” or similar answers)

(43) Name the mythical creature, the son of Queen Pasiphaë, for whom Daedalus built the labyrinth, a half-man, half-bull.

ANSWER: Minotaur

(44) What mountain range has peaks like the Matterhorn and Mont Blanc, and forms parts of the borders of Austria, Switzerland, Italy, and France?

ANSWER: Alps (accept Alpine Mountains)

(45) What material did Michelangelo use to sculpt *Pietà*, a sculpture of Mary cradling the body of Jesus, and his white, stone *David*?

ANSWER: marble (prompt on “stone” before it is read; prompt on “rock”)

(46) Name the “Mile High” American city on the South Platte River near the Red Rocks Amphitheater that is the capital city of Colorado.

ANSWER: Denver

(47) What kind of disaster inspired Anne Bradstreet to write that her “hope and treasure lies above” even though her “pleasant things in ashes lie” when it destroyed her house in 1666?

ANSWER: fires (accept equivalents like flames; accept house fires; accept Verses upon the Burning of our House, July 10, 1666)

(48) Hippias was an early tyrant of what city, whose fifth century BCE golden age was primarily overseen by Pericles and included the building of the Parthenon in Greece?

ANSWER: Athens (accept Athens or Athenai)

(49) What American author wrote short stories like “The Masque of the Red Death” and “The Murders in the Rue Morgue”, revolutionizing the genres of detective fiction and horror?

ANSWER: Edgar Allan Poe

(50) Which of China’s Four Great Inventions is made from a combination of sulfur, charcoal, and saltpeter, and can produce an explosion when ignited?

ANSWER: gunpowder (accept black powder)

(51) What sport’s 2022 All-Stars included Jarrett Allen, Donovan Mitchell, Ja Morant, DeMar DeRozan, Stephen Curry, and LeBron James?

ANSWER: basketball (accept NBA)

(52) *Drosophila melanogaster* [draw-soh-FEE-lah meh-LAN-oh-gas-ter] is the scientific name of what highly studied model organism, an insect that is named for feeding on certain rotting food?

ANSWER: fruit fly (prompt on “fly”)

(53) What American art movement of the 1960s included the work of Andy Warhol, who made easily-reproduced images of celebrities, common brands, and twentieth-century culture?

ANSWER: Pop (accept Pop Art)

(54) Name the U.S. city whose neighborhoods include Roxbury and the Back Bay, the state capital of Massachusetts.

ANSWER: Boston

(55) Coprime numbers have a value of 1, and ten & fifteen have a value of 5, for what quantity, which is the largest number that can be divided into both of the numbers?

ANSWER: greatest common factor (accept GCF; accept greatest common divisor or GCD)