

2022 Stateline Junior

## Round 4

Scholastic Community Outreach Program

### Buzz-In Round

(1) What modern European country unified under Otto Von Bismarck and formed the Weimar Republic before it was taken over by Adolf Hitler?

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

(2) What term is given to the longest possible chord of a circle? This line segment is two times the length of a circle's radius.

ANSWER: diameter

(3) What NFL team's ongoing purchase of an international racecourse in Arlington Heights might move this team away from Soldier Field and out of Chicago in the 2020s or '30s?

ANSWER: Bears (accept Chicago before it is read)

(4) Name the Shakespeare play in which Calphurnia tries to warn her husband not to go to the Roman Senate on the ides of March, where he is stabbed to death by Cassius and Brutus.

ANSWER: Julius Caesar (accept The Tragedy of Julius Caesar)

(5) Which musical instrument plays a solo in John Coltrane's cover of "My Favorite Things?" This single-reed woodwind has a jazzy, raspy tone.

ANSWER: sax (accept saxophone; accept specific types like alto saxophone)

(6) What type of rock can be divided into “mafic” and “felsic” sub-types, and forms from cooling magma, unlike sedimentary and metamorphic rocks?

ANSWER: igneous rocks

(7) Name the American network that may have used quilts and songs like “Follow the Drinking Gourd” to help conductors like Harriet Tubman lead slaves to freedom.

ANSWER: underground railroad

(8) Name the Norse god who earned knowledge of the runes and the mead of poetry by hanging on Yggdrasil [IG-drah-zill] for nine days and giving up one of his eyes.

ANSWER: Odin (accept Wotan)

(9) Name the part of speech that includes intensifiers like “quite” and “very,” that can modify a verb or adjective, and that often ends with the letters “L-Y.”

ANSWER: adverb

(10) What singer performed with Calvin Harris on “One Kiss”, sang lines from Elton John’s “Rocket Man” on “Cold Heart”, and released the singles “Don’t Start Now” and “Levitating”?

ANSWER: Dua Lipa

(11) Which cellular organelle contains DNA inherited only from a person’s mother, and is nicknamed the “powerhouse of the cell?”

ANSWER: mitochondria (accept mitochondrion)

(12) Which U.S. state is the location of Sutter’s Mill, where James Marshall made a discovery that started an 1840s gold rush to this state?

ANSWER: California

(13) Name the American author who wrote *Gathering Blue* as a sequel to her dystopian classic *The Giver*.

ANSWER: Lois Lowry (accept Lois Ann Hammersberg)

(14) Name the American city where you could see Frank Lloyd Wright's "inverted ziggurat" design for the Guggenheim art museum and the Empire State Building.

ANSWER: New York (accept New York City; accept NYC)

(15) The "tap" variety of what plant part is exemplified by carrots, and suck up water and nutrients from the soil?

ANSWER: root (accept taproots)

(16) What country contains the Jurassic Coast and the Salisbury Plain, the site of the ancient rock-circle monument Stonehenge?

ANSWER: England (accept Great Britain; accept United Kingdom or UK)

(17) What Shakespeare character declares "O happy dagger / this is thy sheath," and doesn't get to turn fourteen on Lammas Eve, since she dies as the secret wife of Romeo?

ANSWER: Juliet (accept J. Capulet; prompt on "Capulet" alone)

(18) What body of water is called Gichi-Gami in Ojibwe, is the site of the shipwreck of the *Edmund Fitzgerald*, and is the largest of the Great Lakes?

ANSWER: Superior (accept Lake Superior)

(19) What cnidarians [nye-DAY-ree-ans] can build "staghorn" formations with the exoskeletons of their polyp colonies in namesake reefs?

ANSWER: coral reefs (accept coral polyps)

(20) What song opens “They say oh my god I see the way you shine” and includes artist Tones and I saying that “just like” the title animal “I’ve been dancing my whole life?”

ANSWER: Dance Monkey

## Volleyball Round

(21) Name the Greek goddess who stopped Leto from giving birth to Artemis and Apollo on land out of anger at her philandering husband, Zeus.

ANSWER: Hera (do not accept or prompt on “Juno”)

(22) Name the war in which the Comte de Grasse won the Battle of the Chesapeake against the British to help win independence for thirteen colonies, including Massachusetts and Virginia.

ANSWER: Revolution (accept Revolutionary War; accept American Revolution or American Revolutionary War)

(23) What YouTube personality’s charitable videos have shown him launching a ghost kitchen burger chain, recreating *Squid Game*, and starting a foundation to plant more than 20 million trees?

ANSWER: MrBeast [“mister beast”] (accept Jimmy Donaldson; accept MrBeast Burger)

(24) Orogeny is a process in which Earth’s crust crumples and folds upwards to form these natural features, which are usually defined as being more than two thousand feet tall.

ANSWER: mountains (accept mountain peaks; accept mountain range; do not accept or prompt on “hills”)

(25) What name is shared by a kingdom ruled by Tarquin the Proud, an empire led by Octavian, and the modern capital city of Italy?

ANSWER: Rome (accept Roma)

(26) What color names a “period” during which Picasso painted *The Old Guitarist*, because it is associated with sadness?

ANSWER: blue (accept Picasso’s Blue Period or Periodo Azul)

(27) The enormous colony organism called “Pando,” located in Utah, is made of connected clones of what kind of plant whose stems are protected by bark? Pando is a species of this plant called the “quaking aspen.”

ANSWER: tree (accept quaking aspen before it is read)

(28) In early 2022, *The New York Times* purchased what online word game in which yellow and green squares indicate whether each of five letters is correctly guessed?

ANSWER: Wordle

(29) What kind of ecoregion is exemplified by the Gobi in China, the Kalahari in southern Africa, and the very hot Mojave in the western United States?

ANSWER: desert (accept hot desert)

(30) What mathematical concept, sometimes called the “average,” represents a set of numbers by adding them together and dividing by the number of entries in the set?

ANSWER: mean (accept arithmetic mean)

(31) Name the Edgar Allan Poe short story in which an unnamed victim of the Spanish Inquisition is subjected to bizarre torture, including a swinging knife and burning-hot walls in a room with a hole in its floor.

ANSWER: The Pit and the Pendulum

(32) Name the Charles Dickens novel that ends when Sydney Carton goes to the guillotine in place of Charles Darnay, and that begins, “It was the best of times, it was the worst of times.”

ANSWER: A Tale of Two Cities

(33) The compounds ammonia and ammonium are both made of hydrogen and what other element, with chemical symbol N?

ANSWER: nitrogen

(34) Benito Juarez and Antonio Lopez de Santa Anna were leaders of what country, whose forces fought the Texans at the Alamo?

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

(35) This American author wrote about the Bundren family in *As I Lay Dying*, and about the Compson family in *The Sound and the Fury*.

ANSWER: William Faulkner (accept William Cuthbert Faulkner)

# Lightning Rounds

The categories are . . .

1. State Nicknames
2. Mythical Greek Creatures
3. Endangered Animals



STATE NICKNAMES

Name some US states, given the nicknames that appear on their license plates and another common nickname.

(1) Prairie State, or the Land of Lincoln.

ANSWER: **Illinois**

(2) Aloha State, or the Pineapple State.

ANSWER: **Hawaii**

(3) Empire State, or the Knickerbocker State.

ANSWER: **New York**

(4) America's Dairyland, or the Badger State.

ANSWER: **Wisconsin**

(5) Land of Ten Thousand Lakes, or the Gopher State.

ANSWER: **Minnesota**

(6) The Last Frontier, or Seward's Folly.

ANSWER: **Alaska**

(7) The Spirit of America, or the Bay State.

ANSWER: **Massachusetts**

(8) Treasure State, or Big Sky Country.

ANSWER: **Montana**

(9) Garden State, or the Crossroads of the Revolution.

ANSWER: **New Jersey**

(10) Native America, or the Sooner State

ANSWER: **Oklahoma**

## MYTHICAL GREEK CREATURES

Name some creatures from Greek myth that look partially or entirely like humans.

(1) A human torso on a horse's body.

ANSWER: centaur (accept centaurs; accept hippocentaur or hippocentaurs)

(2) A Gorgon woman with snakes for hair whose gaze could turn people to stone.

ANSWER: Medusa

(3) A man with the head of a bull.

ANSWER: Minotaur (accept Minotauros)

(4) Enormous craftsmen with one eye.

ANSWER: cyclops (accept Cyclopes)

(5) A riddle-spinning lion's body with a woman's head.

ANSWER: sphinx

(6) Winged women who sang to lure sailors to their deaths.

ANSWER: siren (accept seiren or seirenes) do not accept or prompt on "mermaid")

(7) The body of a man with the legs of a goat, similar to a faun.

ANSWER: satyr (accept satyros; accept silenos)

(8) Humanoid nature spirits, such as the nereids and the dryads.

ANSWER: nymph (accept nymphē)

(9) Vicious half-woman, half-bird creatures associated with storms.

ANSWER: harpy (accept harpies; accept harpyia) (10) Large creatures who battled the Olympians separately from the Titans.

ANSWER: giant (accept gigas or gigantes; do not accept or prompt on "Titan")

ENDANGERED ANIMALS

Name some animals that were classified “endangered” or “critically endangered” by the World Wildlife Federation as of 2021.

(1) Big cats with orange and black stripes.

ANSWER: tiger (accept specific types, such as Sunda tiger)

(2) Large, gray mammals with long trunks and big ears.

ANSWER: elephant (accept specific types, such as Sumatran elephant)

(3) Largest great apes, which live in troops led by “silverbacks.”

ANSWER: gorilla (accept specific types, such as western lowland gorilla; accept eastern lowland gorilla) (4) African mammals often poached for the two horns on the tip of their snouts.

ANSWER: rhino (accept rhinoceros; accept specific types, such as black rhinoceros or hook-lipped rhinoceros)

(5) Largest animal on Earth, a species of ocean mammal.

ANSWER: blue whale (prompt on “whale”)

(6) Largest species of shark, characterized by their white spots.

ANSWER: whale shark

(7) Red-furred great ape with large throat-sacs, whose name means “forest-man.”

ANSWER: orangutan (accept specific types, such as Bornean orangutan or Sumatran orangutan) (8) Bushy-tailed, cat-like Himalayan mammal that is not actually related to a black-and-white bear.

ANSWER: red panda (do not accept or prompt on “panda”)

(9) Chimp-like ape closely related to humans.

ANSWER: bonobo

(10) Dolphin-like marine mammals whose species include the vaquita.

ANSWER: porpoise (accept Yangtze porpoise or Yangtze finless porpoise)

## Final Challenge

(36) What astronomical object is marked by maria [MAH-ree-ah] like the Sea of Tranquility, and is Earth's largest satellite?

ANSWER: moon (accept Luna)

(37) Name the European capital city whose fourth arrondissement [ah-ron-DEE-suh-MAWN], or district, contains the Notre Dame cathedral on an island in the River Seine [sehn], five kilometers east of the Eiffel Tower.

ANSWER: Paris

(38) What Greek god was the husband of Amphitrite [am-fih-TRY-tee] and was the brother of Zeus and Hades?

ANSWER: Poseidon

(39) Name the meso-american empire ruled by Montezuma from Te-noch-tit-lan, in modern-day Mexico City.

ANSWER: Aztec Empire (accept Aztecs)

(40) What artist sings "I just pretend that I'm in the dark" in a horror-inspired music video for his song "In Your Eyes," and says "I hope you know I love my time" in the song "Sacrifice?"

ANSWER: The Weeknd (accept Abel Makkonen Tesfaye)

(41) What bodily organ can experience cirrhosis and hepatitis as it detoxifies the blood of substances like alcohol?

ANSWER: liver

(42) Name the European language used to write *The Metamorphosis* by Franz Kafka and *The Sorrows of Young Werther* [VAYR-tayr] by Johann Wolfgang von Goethe [gur-tuh], who was born in Frankfort.

ANSWER: German (accept Deutsch)

(43) What man served as the first Tsar of Russia in the 16th century and earned his epithet from violent episodes like sacking Novgorod and killing his own son?

ANSWER: Ivan the Terrible (accept Ivan IV Vasilyevich; accept Ivan Grozny; accept Ivan the Fearsome, or Formidable, or Terrifying, or the like; prompt on “Ivan” alone)

(44) What Dutch painter created *The Potato Eaters* and painted swirling balls of light in the sky in his painting *Starry Night*?

ANSWER: Vincent van Gogh

(45) What U.S. city was founded by Brigham Young, who established the largest temple of the Mormon church in this capital of Utah?

ANSWER: Salt Lake City

(46) What mathematical concept is the inverse operation of the logarithm, and can be written as a small number two above and to the right of a number that is being squared?

ANSWER: exponent

(47) Name the American author who wrote about Santiago’s long-term failure to catch a fish in *The Old Man and the Sea*, and who wrote *The Sun Also Rises*.

ANSWER: Ernest Hemingway (accept Ernest Miller Hemingway)

(48) A lemniscate [LEM-niss-kit] is the symbol for what mathematical concept, which is the size of the set of all natural numbers and a value greater than any finite number?

ANSWER: infinity

(49) In *Super Smash Bros. Ultimate*, Daisy has the same gameplay style as what Nintendo character, the Mushroom Kingdom's ruling princess?

ANSWER: Peach (accept Princess Peach; accept Princess Toadstool; prompt on "Princess")

(50) What kind of global event, exemplified by the Huronian one, is characterized by widespread glaciation and low temperatures?

ANSWER: ice age

(51) What musical work has a "fate knocking at the door" motif with a "short-short-short-long" pattern, and is the middle one of Beethoven's symphonies?

ANSWER: Beethoven's Fifth (accept Beethoven's Fifth Symphony; accept Ludwig van Beethoven's Symphony Number Five in C minor; accept Symphony Number Five or Fifth Symphony alone after "Beethoven" is read)

(52) What nation is governed from Ankara, contains the city of Istanbul, and sits between the Black Sea and the Mediterranean?

ANSWER: Turkey (accept Republic of Turkey; accept Türkiye Cumhuriyeti)

(53) What ice giant has an eighty-four-year seasonal cycle due to its roughly ninety-degree tilt, and is the seventh planet from the sun?

ANSWER: Uranus

(54) In what novel does Annemarie Johansen protect her friend Ellen in Nazi-occupied Copenhagen, a book written by Lois Lowry?

ANSWER: Number the Stars

(55) Giles Corey was pressed to death during what mass hysterical event, in which at least twenty people were executed for spellcasting in 1690s Massachusetts?

ANSWER: Salem Witch Trials (prompt on partial answers)