

Stateline Juniors 2025

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Round 2

Buzz-In Round

- 1) What world leader, whose armies defeated the Third Coalition at Austerlitz in 1805, was briefly exiled to Elba before his final defeat as French Emperor in 1815 at Waterloo?

Answer: Napoleon Bonaparte (accept either underlined name; accept Napoleon I)

- 2) What movie character, whose Grandma Tala teaches her about Te Fiti and Te Ka, is a disney princess who befriends the demigod Maui?

Answer: Moana

- 3) What two-atom compound is formed in incomplete combustion, is toxic because it replaces oxygen in the bloodstream, and has chemical formula C·O?

Answer: carbon monoxide (accept CO before it is read)

- 4) What man, who fought to keep Princeton University segregated as its president, aired the racist film *The Birth of a Nation* at the White House in 1915?

Answer: Woodrow **Wilson** (accept Thomas Woodrow **Wilson**)

- 5) What religious work contains suwar like "Maryam" and "The Cow," which were recorded by Muhammad as the central text of Islam?

Answer: **Quran**

- 6) What vocal range was performed by Luciano Pavarotti, is the "T" of an S·A·T·B chorus, and sings in a higher range than a bass or baritone?

Answer: **tenor**

- 7) What country is divided into 47 prefectures on over 250 populated islands, including four main islands: Shikoku, Kyushu, Hokkaido, and Honshu?

Answer: **Japan** (accept **Nihon**-koku; accept **Nippon**-koku)

- 8) What epic poem follows the father of Telemachus on his ten-year journey home from the Trojan War, during which he encounters Scylla, Charybdis, the cyclops Polyphemus, and the witch Circe?

Answer: the **Odyssey** (accept **Odysseia**)

- 9) What southern US state is home to northern towns like Muscle Shoals and Huntsville on the Tennessee River, as well as central towns like Selma and Montgomery?

Answer: **Alabama** (Selma and Montgomery lie on the Alabama River, which we obviously aren't naming in this question.)

- 10) What musician, who collaborated with Miley Cyrus on "II MOST WANTED" [two most wanted], included "Texas Hold Em" on her 2024 album *Cowboy Carter*?

Answer: **Beyoncé** (accept Beyoncé **Knowles** or Beyoncé **Knowles-Carter**)

- 11) What polygon has interior angles that average 108 degrees each, ten total lines of symmetry, and exactly five sides?

Answer: regular **pentagon**

- 12) What character, who fakes his death to escape Pap, travels down the Mississippi River with the slave Jim, and is friends with Tom Sawyer?

Answer: **Huckleberry Finn** (both parts required, prompt on partial answers)

- 13) The A and B examples of what astronomical objects are separated by the Cassini Division? Over one hundred moons join these objects in orbit around the sixth planet from the Sun.

Answer: **rings** of **Saturn** (prompt on "ring(s)")

14) Name the Dutch artist who painted *Bedroom in Arles* and depicted the town near his mental asylum in *Starry Night*.

Answer: Vincent **van Gogh** (accept Vincent Willem **van Gogh**)

15) In humans, what body part is divided into sections like lumbar and thoracic, and consists of thirty-three vertebrae protecting a namesake cord?

Answer: **spine** (accept **backbone**)

16) What literary technique has a "slant" form used by William Blake to connect the words "eye" and "symmetry" in the poem "The Tyger," and is better exemplified by pairs of words like "bright and night" and "art and heart?"

Answer: **rhyme**

17) Members of what ethnic group were targeted for discrimination by the 1868 Burlingame Treaty, by an 1882 "Exclusion Act," and by countless anti-Asian foremen while working on the Transcontinental Railroad?

Answer: **Chinese**-Americans (accept **Chinese Exclusion** Act)

18) What state's borders include the Wabash River with part of Indiana, the Ohio River with Kentucky, and the Mississippi River with its western neighbors, Missouri and Iowa?

Answer: **Illinois**

19) What type of body tissue is broken down by osteoclasts, is mineralized by osteoblasts, and may be filled with marrow?

Answer: **bones**

20) What kind of literary work titles a book "of the Plague Year," which is written in the style of one of these nonfiction records of a person's daily life?

Answer: **journal** (accept **Journal of the Plague Year**, which is by Daniel Defoe; accept **diary**; prompt on "autobiography" or "memoir;" prompt on "nonfiction" before it is read)

Volleyball Round

- 1) P-waves are detected by systems that provide early warning of what phenomena, which may cause a tsunami if they happen under the seafloor?

Answer: earthquake

- 2) What god, who hung from his spear Gungnir for 9 days to learn runes, sacrificed an eye to Mimir's well, and is the Chief Norse god?

Answer: Odin (accept Wotan)

- 3) What literary character, who imitates a raincloud with mud and a balloon to get honey from bees, is a stuffed animal friend of Christopher Robin created by A. A. Milne?

Answer: Winnie the Pooh (accept either part, accept Pooh Bear)

- 4) What game series, whose entry Tears of the Kingdom is focus of a Hyrule Engineering Club subreddit, features Link and the title princess battling Ganon in *Breath of the Wild*?

Answer: The Legend of Zelda

- 5) What country, whose inland cities include Trondheim and Lillehammer, is more famous for towns on its various fjords, such as Oslo?

Answer: Norway (accept Kingdom of Norway; Norge or Noreg; accept Kongeriket Norge)

- 6) What irrational number, approximately equal to 3.14, is often called the circle constant?

Answer: pi

- 7) What document, which explicitly excluded New Orleans from its jurisdiction, was announced after the Union's victory at Antietam and declared that slaves in the Confederacy were free once they escaped?

Answer: Emancipation Proclamation

- 8) Organisms may have bilateral, spherical, or biradial types of what visual feature, as commonly seen in humans when comparing across a vertical center line?

Answer: symmetry

- 9) What sport was the subject of the American defeat of a Soviet team in the 1980 Miracle on Ice, and earned the Florida Panthers the Stanley Cup in 2024?

Answer: ice hockey

- 10) What critic of Charles Lindbergh and author of American war propaganda is better known for short books like *How the Grinch Stole Christmas*?

Answer: Doctor Seuss (accept Theodore "Ted" Geisel)

11) What battle, where Miltiades decided on a winning strategy after several days of other commanders wanting to wait to fight the Persians, was followed by a roughly 26 mile run back to Athens with the good news?

Answer: Battle of **Marathon**

12) What "fourth" phase of matter may be created in tokamaks or other laboratory settings that simulate the behavior of the Sun?

Answer: **plasma**

13) What figure, who masters the "72 Earthly Transformations" and ate heavenly peaches to obtain immortality, travels with Tang Sanzang in Journey to the West?

Answer: **Sun Wukong** (accept **Monkey** King)

14) What painting, whose title phenomenon threatens three boats of men wearing blue, is part of Hokusai's views of Mount Fuji and depicts a tsunami?

Answer: The **Great Wave** Off Kanagawa (accept The **Wave**)

15) What financial product, whose name comes from the French for "death pledge," has a subprime variety that sparked a namesake crisis in 2008, causing mass foreclosures on the homes purchased with them?

Answer: **mortgages** (accept **mortgage** crisis)

Lightning Round

The categories are...

- 1) Worms, Insects, or Arachnids
- 2) Mythical Cats
- 3) It's Hard to Win the Super Bowl

Worms, Insects, or Arachnids

I'll give you the common or scientific name of a small, creepy-crawly animal; you tell me whether that animal is a worm, an insect, an arachnid, or none of those. For example, if I said "my cat," you'd say "none."

1) The venomous black widow

Answer: **arachnids** (accept **spider**)

2) The genus Apis, including "bumble" and "honey" types

Answer: **insects** (accept **bee**)

3) The spider crab, despite its name

Answer: **none**

4) The silkworm, despite its name

Answer: **insects** (accept **moth**)

5) Members of the phylum annelida, like leeches

Answer: **worms**

6) The South American goliath bird-eater

Answer: **arachnid** (accept **spider**)

7) The phylum mollusca

Answer: **none**

8) The genus anopheles, known for spreading malaria

Answer: **insects** (accept **mosquito**)

9) The model organism drosophila melanogaster

Answer: **insects** (accept fruit **fly**)

10) The phylum platyhelminthes

Answer: **worms** (accept **flatworm**)

Mythical Cats

Identify the following about cats, both large and small, that appear in mythology.

- 1) Greek hero who killed the Nemean Lion during his Labors

Answer: **Heracles** (accept **Hercules**)

- 2) Norse thunder god who failed to lift the foot of a cat

Answer: **Thor** (accept **Donar**)

- 3) Clothing item given to a helpful cat in a Charles Perrault fable

Answer: **boots** (accept **Puss in Boots**; prompt on "shoes")

- 4) Norse love goddess whose chariot was pulled by cats

Answer: **Freyja**

- 5) Chinese cycle of years that does not include a cat, because it lost the Great Race

Answer: **Zodiac**

- 6) Type of big cat revered by the Aztecs and Mayans

Answer: **jaguar**

- 7) Country home to a yokai called ba·ke·neko

Answer: **Japan** (accept **Nihon**-koku; accept **Nippon**-koku)

- 8) Egyptian cat goddess who guarded grain from mice

Answer: **Bastet** (accept **Ubasti**)

- 9) Egyptian lion goddess who guarded Egypt from invaders

Answer: **Sekhmet** (accept **Sakhmis**)

- 10) Greek mythical animal with the front half of an eagle and the back half of a lion

Answer: **gryphon**

It's Hard to Win the Super Bowl

Twelve current NFL franchises have never won the Super Bowl; ten of them are answers in this lightning round. You can give the location and/or team name; for example, "Chicago" and/or "Bears," would be fine...except they did win one, so don't guess them.

- 1) Blew a 28-to-3 lead in Super Bowl 51 and plays in Georgia.

Answer: **Atlanta Falcons**

- 2) Lost Super Bowl 34 by a foot and plays in Nashville.

Answer: **Tennessee Titans**

- 3) Lost a Super Bowl with Cam Newton and plays in Charlotte.

Answer: **Carolina Panthers**

- 4) The newest NFL team, led by CJ Stroud in Texas.

Answer: **Houston Texans**

- 5) The only NFL team in Florida to never play in, let alone win, a Super Bowl.

Answer: **Jacksonville Jaguars**

- 6) Lost four in a row in the 1990s; now led by QB Josh Allen.

Answer: **Buffalo Bills**

- 7) Also lost four early Super Bowls, and now has Justin Jefferson.

Answer: **Minnesota Vikings**

- 8) Almost beat the Rams in Super Bowl 56 behind Joe Burrow.

Answer: **Cincinnati Bengals**

- 9) Wasted wideout Larry Fitzgerald's career in the desert, and now has Kyler Murray.

Answer: **Arizona Cardinals**

- 10) Won seven pre-Super Bowl titles in northern Ohio, but hasn't won an AFC title since.

Answer: **Cleveland Browns**

Final Challenge

- 1) The second quartile is equivalent to what measure of central tendency, the "middle number" in a set of numbers?

Answer: median

- 2) Peptidoglycan and lignin are some compounds that can make up what structure of the cell that, in most fungi and plants, surrounds the cell membrane?

Answer: cell wall

- 3) What name names a river that goes over Livingstone Falls, as well as two countries led from Brazzaville and Kinshasa, called its "Democratic Republic" and "Republic" in Africa?

Answer: Congo (accept Congo River; accept (Democratic) Republic of the Congo)

- 4) What city, where the military committed the Tlatelolco Massacre of hundreds of students just days before it hosted the 1968 Summer Olympics, is the most populous city in North America?

Answer: Mexico City

- 5) What country appears in the title of an E.M. Forster novel in which Adela Quested falsely accuses Dr. Aziz? The novel is named "A Passage to" this large Asian country that later became independent from Britain.

Answer: **India** (accept A Passage to **India**; accept Republic of **India**; accept **Bharat** Ganarajya)

- 6) What myth system, whose sun god is Inti, believed the creator god Viracocha rose from Lake Titicaca, and worshipped in Machu Picchu?

Answer: **Inca**

- 7) What company, which partnered with Jimmy Donaldson on the show Beast Games, sells Prime Video subscriptions and was founded by Jeff Bezos?

Answer: **Amazon** Inc. (accept **Amazon** Video, prompt on **Prime** Video)

- 8) The increase in wavelength due to a loss of photon energy is known as a "shift" of what color? This color is also used to describe the iron-rich surface of the planet Mars.

Answer: **red** (accept **redshift**; accept **red** planet)

- 9) What play inspired an "overture-fantasy" by Tchaikovsky and a ballet by Prokofiev, each of which feature a Love Theme meant to indicate this Shakespeare play's famous balcony scene?

Answer: **Romeo and Juliet** (accept **Romeo i Dzhulyetta**)

10) What politician asked "Why does Rice play Texas?" in a 1962 speech that committed the U.S. to putting a man on the Moon, a speech delivered a year before his assassination in Dallas?

Answer: John F. **Kennedy** (accept **JFK**; accept John Fitzgerald **Kennedy**)

11) The Havasupai Reservation borders what national park, a holy site of the Pueblo people? John Wesley Powell's expedition down the Colorado River explored this magnificent gorge in Arizona.

Answer: **Grand Canyon** (accept **Grand Canyon** National Park)

12) Name the short novella by Franz Kafka in which a rotting apple kills Gregor Samsa after he wakes up one morning to find he has transformed into a giant insect.

Answer: The **Metamorphosis** (accept Die **Verwandlung**)

13) What geometric objects have equations that can be written in slope-intercept form and look like two rays going in opposite directions?

Answer: **line** (do not accept "line segment")

14) What scientific instrument detects and records the movements of the ground with a pen that swings from side to side, typically more violently during an earthquake?

Answer: **seismograph** (accept **seismometer**)

15) What character from children's literature is accompanied by her friends Bess and George as she solves *The Secret of the Old Clock* and other mysteries?

Answer: Nancy Drew (accept either underlined name)

16) While the Hoover Dam lies between Arizona and Nevada, what state is home to Herbert Hoover Dike, which holds in the very shallow waters of Lake Okeechobee in the Everglades?

Answer: Florida

17) What ruler, whose death sparked La Noche Triste, was kidnapped in 1519 by Spanish conquistadors under Hernan Cortes, leading to the downfall of the Aztec Empire?

Answer: Montezuma II (accept Moctezuma II)

18) What animals, which find men trapped under a log at the end of Saki's *The Interlopers*, include a "pack" joined by Buck in *The Call of the Wild*?

Answer: wolves (accept wolf)

19) What concept in physics, which was introduced in the paper "On the Electrodynamics of Moving Bodies" by Albert Einstein, was first explained in a "special" theory and later by a more "general" theory?

Answer: relativity

20) What artistic medium, whose first version was the 1839 daguerreotype, was used for works such as *Migrant Mother* generally captured with cameras?

Answer: photography

