

Stateline Juniors 2023

Game 1

Buzz-In Round

- 1) What kind of astronomical body can have spiral-bar and elliptical types, and are exemplified by Andromeda and the Milky Way, which contains our solar system?

Answer: galaxy

- 2) Name the Greek god who memorialized Leuce in the Elysian Fields, a portion of his namesake realm, where he kept his wife, Persephone, for part of each year.

Answer: Hades (accept Pluto)

- 3) What part of speech can have grammatical cases like the nominative, in which this part of speech is the subject of a sentence, and can represent a person, place, or thing?

Answer: noun

- 4) What HBO series, which includes "Clickers" and "Bloaters" who have been infected by a mutant fungus, premiered in 2023, a decade after its original release as a video game?

Answer: The Last of Us

- 5) What artist used the sfumato technique to paint *The Virgin of the Rocks* and a depiction of the wife of Francesco del Giocondo that is now known as *Mona Lisa*?

Answer: Leonardo (accept Leonardo da Vinci)

- 6) Lake Itasca is the source of what river, which receives the Ohio and Missouri Rivers along the western and southern borders of Illinois before it flows through New Orleans?

Answer: Mississippi River

- 7) What property is possessed by functions that are equal to their reflection over the y-axis, such as x^2 or x^4 , as well as by numbers like 2, 4, 6, or 8?

Answer: **even** (accept **even** functions; accept **even** numbers)

- 8) The "Letter from Birmingham Jail" was written by what man in 1963 during a nonviolent civil rights campaign, four months before he delivered the "I Have a Dream" speech?

Answer: Dr. Martin Luther **King**, Jr. (accept **MLK**)

- 9) What insects in the superfamily Apoidea can experience Colony Collapse Disorder when pesticides kill off workers and leave their queen almost alone in her hive?

Answer: **bee** (accept specific types like honey **bee** or bumble**bee**)

- 10) In what battle did an attack on Culp's Hill and Pickett's Charge take place on July 3, 1863, four months before President Lincoln dedicated a cemetery with a famous Address?

Answer: Battle of **Gettysburg** (accept **Gettysburg** Address)

- 11) What novel, set partially at Netherfield Hall and written by Jane Austen, has a title that describes the stubbornness of Mr Darcy and Elizabeth Bennett, who eventually marry?

Answer: **Pride and Prejudice**

- 12) What European country's cities include Lille on its border with Belgium; the wine-making capital of Bordeaux; Lyon; Nice; and Paris?

Answer: **France** (accept **French** Republic; accept Republique **française**)

- 13) What instrument, which is played by Yo-Yo Ma, joins a viola and two violins as the deepest instrument in a string quartet?

Answer: **cello** (accept violon**cello**)

- 14) What objects consist of valence shells surrounding a dense nucleus made up of protons and neutrons, and are the smallest particles of any element?

Answer: **atom**

- 15) The Washington Commanders hired Eric Bieniemy [bee-EN-eh-mee] away from what NFL team, for which he worked with Travis Kelce and Patrick Mahomes to win the most recent Super Bowl?

Answer: **Kansas City Chiefs** (accept either or both names; accept **KC**)

- 16) Name the reclusive American poet, nicknamed the Belle of Amherst, who wrote "I heard a Fly buzz - when I Died" and "Because I could not stop for Death."

Answer: Emily **Dickinson** (accept Emily Elizabeth **Dickinson**)

- 17) What country's capital was designed in the shape of an airplane by Oscar Niemeyer to replace its previous capital, Rio de Janeiro?

Answer: **Brazil** (accept Federative Republic of **Brazil** or Republica Federativa do **Brasil**)

- 18) Name the British poet who wrote "If-" and "Gunga Din," and who collected stories about rural India in *The Jungle Book*.

Answer: Rudyard **Kipling** (accept Joseph Rudyard **Kipling**)

- 19) What ancient civilization's Ptolemaic Dynasty included leaders like Cleopatra?

Answer: **Egypt**

- 20) What uncharged baryons make up the nucleus along with protons?

Answer: **neutron**

Volleyball Round

- 1) Fred Noonan disappeared alongside what pioneering female aviator when their Lockheed Electra failed to land at Howland Island during their 1937 attempt to fly around the world?

Answer: Amelia **Earhart** (accept Amelia Mary **Earhart**)

- 2) What Norse god distracted the horse Svadilfari and became the mother of the eight-legged horse Sleipnir?

Answer: **Loki**

- 3) What YouTube superstar has been criticized in 2023 for donating twenty-thousand pairs of shoes and for funding a thousand cataract surgeries?

Answer: Mister **Beast** (accept MrBeast; accept **MrBeast6000**; accept Jimmy **Donaldson**)

- 4) What literary character uses the ship *Demeter* to transport boxes of earth to England from Transylvania, and is hunted by Abraham Van Helsing in a Bram Stoker novel named for him?

Answer: Dracula (accept Count **Dracula**)

- 5) Name the American novel in which Simon Legree orders the beating death of a man who had saved Eva St Clare from drowning, written by Harriet Beecher Stowe to promote the abolition of slavery.

Answer: **Uncle Tom's Cabin**; or, Life Among the Lowly

- 6) Name the type of chemical compound that contains a hydroxyl "O-H" group bonded to a carbon atom, and whose isopropyl type is nicknamed a "rubbing" one.

Answer: alcohol

- 7) The tourist site of Fisherman's Wharf is in what California city, a neighbor of Oakland that is also home to the Golden Gate Bridge?

Answer: **San Francisco**

- 8) Grigori Potemkin supposedly built fake villages to impress what Russian empress, who overthrew her husband, Tsar Peter III, in 1762?

Answer: **Catherine the Great** (accept **Catherine II** of Russia; prompt on "Catherine")

- 9) What cell organelle that interacts with the Golgi apparatus is called "rough" if it is covered in ribosomes?

Answer: **E.R.** (accept **endoplasmic reticulum**; accept smooth **endoplasmic reticulum**; accept rough **endoplasmic reticulum**)

- 10) Artichoke flowers and pine cone leaves display what mathematical sequence, which begins "1, 1, 2, 3, 5, 8," and continues by adding the two previous terms?

Answer: **Fibonacci** sequence (accept **Fibonacci** numbers; accept **Fibonacci** spirals)

- 11) Karst terrain is a kind of landscape characterized by these underground locations that can contain stalagmites and stalactites.

Answer: **cave** (accept **cavern**)

- 12) Joseph Warren was killed at what 1775 Revolutionary War battle in Massachusetts that, contrary to its name, was actually mostly fought on the nearby Breed's Hill?

Answer: Battle of **Bunker Hill**

- 13) In Boccaccio's short story collection *Decameron*, ten young people from Florence tell stories in the countryside to avoid an outbreak of what disease in the fourteenth century?

Answer: **plague** (accept **Black Plague**; accept **bubonic plague**; accept **Black Death**)

- 14) What singer, who stars as a cult leader in the controversial HBO show *The Idol*, released a 2023 re-issue of his album *Starboy*, in which he performs "Die for You" with Ariana Grande?

Answer: The **Weeknd** ["weekend"] (accept Abel Makkonen **Tesfaye**)

- 15) Artist Jan Van Eyck depicted Giovanni Arnolfini holding hands with a woman in a long, green dress and standing near a small dog that represents loyalty in a painting titled for one of these events.

Answer: **wedding** (accept **marriage** ceremony; accept The **Arnolfini Wedding** accept Giovanni **Arnolfini and his Bride**)

Lightning Round

The categories are...

- 1) All About Birds
- 2) Sky Gods
- 3) World Series Champions

All About Birds

Name some types of birds from clues about their scientific and cultural importance.

- 1) Large-eyed nocturnal hunters that can rotate their necks 270 degrees.
Answer: **owls** (accept specific types of owl)

- 2) Water birds with "Adelie" and "Emperor" types that live in places like Antarctica.
Answer: **penguins** (accept Adelie **penguin**; accept emperor **penguin**; accept other specific types of penguin)

- 3) Dove-like birds whose "passenger" type died out in the 20th century.
Answer: **pigeons** (accept passenger **pigeon**)

- 4) Large birds that Ben Franklin did not actually support as the national bird over the bald eagle.
Answer: **turkeys**

- 5) Colorful birds sacred to Hera because their tails represented the eyes of Argos.
Answer: **peacocks** (accept **peafowl**; accept **peahens**)

- 6) Large birds hunted to extinction on the island of Mauritius.
Answer: **dodos**

- 7) Small birds whose many Galapagos species fascinated Charles Darwin.
Answer: **finches** (accept Galapagos **finches**; accept Darwin('s) **finches**; accept other specific types of finch)

- 8) Flightless New Zealand bird whose name is now used to refer to New Zealanders.
Answer: **kiwis**

- 9) Bird in the name of the Aztec god Huitzilopochtli [wee-tsih-loh-pocht-lee]; their fast-beating wings made them good luck charms in Aztec culture.
Answer: **hummingbirds** (accept specific types of hummingbird)
Note: Huitzilopochtli means "left-handed hummingbird"

- 10) Road-runners are a type of these "brood mimics" that hide their eggs in the nests of other birds.
Answer: **cuckoos**

Sky Gods

Identify some gods and goddesses who control what happens in the sky.

- 1) Greek lord of Olympus who wielded lightning bolts.

Answer: **Zeus**

- 2) Roman goddess of the moon.

Answer: **Luna**

- 3) Norse god of the Bifrost rainbow bridge.

Answer: **Heimdall**

- 4) Hawk-headed Egyptian sky god, the son of Osiris.

Answer: **Horus**

- 5) Another Egyptian sky god who crossed the sky daily in a sun-barge.

Answer: **Ra**

- 6) Greek god whose sun-chariot killed his son Phaethon.

Answer: **Helios**

- 7) Greek messenger goddess of rainbows.

Answer: **Iris**

- 8) Egyptian personification of the sky who was often painted over Geb, the Earth.

Answer: **Nut**

- 9) Rosy-fingered Greek goddess of the dawn.

Answer: **Eos**

- 10) Japanese goddess of the sun and ancestor of Japanese emperors.

Answer: **Amaterasu**

World Series Champions

Name the following Major League Baseball teams based on their World Series victories. I'll give you one or more years, and some other clues; you can give either the team name or the name of the team's home city. For example, the Green Bay Packers don't play baseball, but if they somehow *were* the right answer, you could give either "Green Bay" or "Packers" and get points.

1) 2016, 11 years after the crosstown White Sox won.

Answer: **Chicago Cubs**

2) 2017, when they cheated using trash cans, as well as 2022.

Answer: **Houston Astros**

3) 2009, as well as twenty-six other years, the most in history.

Answer: **New York Yankees** (accept **NYC**)

4) 2004, breaking the Curse of the Bambino.

Answer: **Boston Red Sox** (prompt on "Sox")

5) 2020; they've *lost* the most World Series in history.

Answer: Los Angeles Dodgers (accept Brooklyn Dodgers)

6) 2006 and 2011 with Albert Pujols.

Answer: **St. Louis Cardinals**

7) 2021, in Freddie Freeman's last year with the team.

Answer: **Atlanta Braves**

8) 2010, 2012, and 2014, representing the NL West.

Answer: **San Francisco Giants**

9) 1997 and 2003, even though they've never won the NL East division.

Answer: **Florida Marlins** (accept **Miami Marlins**)

10) 1992 and 1993, the only Canadian champions.

Answer: **Toronto Blue Jays**

Final Challenge

- 1) What novel, whose narrator uses Queequeg's coffin as an emergency lifeboat, was written by Herman Melville about Captain Ahab's quest to kill a white whale?

Answer: **Moby-Dick**; or, The Whale

- 2) Legendarily, Moses Rose was the only man who refused to defend what San Antonio mission, where James Bowie and Davy Crockett were killed by Santa Anna's Mexican forces?

Answer: Battle of the **Alamo** (accept **Mision San Antonio de Valero**)

- 3) The Ainu people are based on a northern island in what Asian country, where Kansai International Airport was built on an artificial island off the coast of Honshu?

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

- 4) What human organs are made up of nephrons, can be compensated for by dialysis, and are a pair of bean-shaped organs that filter blood?

Answer: **kidney**

- 5) What Hindu god is called Nataraja as the "god of the dance," and forms the Trimurti with Brahma and Vishnu as the god of destruction?

Answer: **Shiva** (accept **Siva**; accept **Nataraja** before it is read)

- 6) The Hall-Heroult process smelts what light-weight metallic element that has atomic number 13 and symbol Al [A-L]?

Answer: **aluminum** (accept **aluminium**)

- 7) What video game character is the child of Rhoam who holds the Triforce of Wisdom as the princess of Hyrule, and is a friend of Link in a game named for her *Legend*?

Answer: Princess **Zelda**

- 8) The "Big Dig" created a highway tunnel in what American city, the eastern endpoint of I-90, where Logan International Airport welcomes people to Massachusetts?

Answer: **Boston**

- 9) A viola imitates a barking dog in what set of four violin concertos by Antonio Vivaldi that includes *L'inverno* and *La Primavera*, or "Winter" and "Spring"?

Answer: The **Four Seasons** (accept Le **quattro stagioni**; do not accept prompt on "The Seasons")

- 10) What mathematical concept has a "geometric" type that involves taking a root of a product of some numbers, and an "arithmetic" type that involves adding a list of numbers and dividing by how many numbers there are?

Answer: **mean** (accept geometric **mean**; accept arithmetic **mean**; accept **average**)

- 11) In what novel by Alexandre Dumas does Cardinal Richelieu scheme with Milady de Winter, only to be foiled by D'Artagnan and the title soldiers, Athos, Porthos, and Aramis?

Answer: The **Three Musketeers** (accept Les **Trois Mousquetaires**)

- 12) What surname is shared by a pair of assassinated Asian Prime Ministers, Rajiv and his mother Indira, as well as an unrelated independence leader, Mahatma?

Answer: **Gandhi** (accept Rajiv **Gandhi**; accept Indira **Gandhi**; accept Mahatma **Gandhi**; accept Mohandas **Gandhi**)

- 13) What heavily fragmented building was largely reconstructed between Shanhai Pass and Jiayu Pass by the Ming Dynasty?

Answer: **Great Wall** of China (accept Wanli **Changcheng**)

- 14) What American author used the pseudonym Geoffrey Crayon to write short stories like "John Bull" and "Rip Van Winkle?"

Answer: Washington **Irving**

- 15) What composer built an opera house in Bayreuth to premier his four-opera cycle *The Ring of the Nibelungs*?

Answer: Richard **Wagner** (accept Wilhelm Richard **Wagner**)

- 16) What New York location, now the site of the US Military Academy, did Benedict Arnold attempt to surrender to the British during the Revolutionary War?

Answer: **West Point** (accept Fort **Clinton**; accept Fort **Arnold**)

- 17) What element can be tarnished by sulfides, is the most electrically conductive metal element, and has symbol Ag [A-G]?

Answer: **silver**

- 18) What smallest perfect number is the number of faces on a cube and the number of sides on a hexagon?

Answer: **six**

- 19) What historical atrocity is the backdrop of Eli Wiesel's graphic novel *Maus* and the *Diary of a Young Girl* written by Anne Frank?

Answer: **Holocaust** (accept **Shoah**; prompt on "World War II;" prompt on descriptions like "Nazi Germany" or "genocide of the Jewish people")

20) What human body part is supported by septal cartilage, and transmits particles inhaled through its nostrils to the olfactory system to allow you to smell things?

Answer: **nose**