

Stateline Juniors 2024

Game 10

Buzz-In Round

- 1) What Greek goddess turned Actaeon into a stag; sent the Calydonian Boar against her enemies as the goddess of the hunt; and was the twin sister of Apollo?

Answer: Artemis

- 2) What city is home to schools like Gallaudet University for the deaf, the historically Black Howard University, and Georgetown University, as well as museums like the Smithsonian Institution?

Answer: Washington, D.C. (accept Washington, D.C.; accept the District of Columbia)

- 3) In a poem named for one of these animals, Emily Dickinson describes a "stillness in the Air - / Between the Heaves of Storm" that is broken by the "Blue - uncertain - stumbling Buzz" of what insect?

Answer: fly (accept I heard a Fly buzz - when I died -)

- 4) What mathematical concept involves many reciprocals in its "harmonic" type and an n th root in its "geometric" type? Its "arithmetic" type is also called the average.

Answer: mean (prompt on "average")

- 5) Name the literary device that opens the Langston Hughes poem "Mother To Son," in which the speaker says "Life for me ain't been no crystal stair." This literary device compares two things without using words such as "like" or "as."

Answer: metaphor

- 6) What quantity's total value for a system is found by the Hamiltonian, a calculation that sums its kinetic and potential types?

Answer: energy

- 7) Michael Lindsay-Hogg filmed a documentary of what group, whose January 1969 rehearsals in, and final concert on the roof of, Apple Studios in London became the album Let it Be?

Answer: The **Beatles**

- 8) What is the technical term for the structure in angiosperms that contains the carpel and stamen? This reproductive plant structure is often surrounded by petals to attract pollinators.

Answer: **flowers** (accept reasonable equivalents like **blooms** or **blossoms**)

- 9) The strict Kensington System educated what monarch from the House of Hanover, who led England during the Crimean War; was married to Prince Albert; and had a record-length reign that was surpassed by Elizabeth II?

Answer: Queen **Victoria** (accept **Alexandria Victoria**)

- 10) What compound is controlled by drugs that stop the production of mevalonate, like statins? This lipid is listed on nutrition labels, and its "bad" form leads to heart disease.

Answer: **cholesterol** (accept high density and/or low density **lipoproteins**; prompt on "lipids")

- 11) What color has a hue named for artist Artemisia Gentileschi and dominates the lovers' cloaks in Gustav Klimt's *The Kiss*, which is decorated with a foil of this color's namesake precious metal?

Answer: **gold** (accept **Artemisia gold**; accept **yellow**)

- 12) What US state's border cities include Sioux City on the Missouri River border with Nebraska, as well as Bettendorf, Davenport, and Dubuque on its Mississippi River border with Illinois?

Answer: **Iowa**

- 13) Name the board game, derived from philosopher Lizzie Magie's 1903 *Landlord's Game*, whose mascot "Mr Moneybags" is encountered on community chest cards as players try to gain financial control of all of the properties on the board.

Answer: **Monopoly**

- 14) What natural phenomena are the title subjects of a set of violin concertos by Vivaldi that mimic birdsong and thunderstorms in movements named "Spring," "Summer," "Autumn," and "Winter?"

Answer: seasons (accept The Four Seasons; accept Le quattro stagioni)

- 15) What city, where 137 DeKoven Street was the location of the O'Leary family barn, was suffering a drought in 1871 when it was struck by a catastrophic "Great Fire" along the shores of Lake Michigan?

Answer: Chicago (accept Great Chicago Fire)

- 16) Name the novel in which the Duke and the Dauphin try to trick Jim and his title friend as they raft down the Mississippi River, written by Mark Twain.

Answer: The Adventures of Huckleberry Finn (do not accept or prompt on "Huck Finn")

- 17) What country, where a leader gave a "secret speech" denouncing his predecessor's cult of personality, was led by men like Yuri Andropov, Leonid Brezhnev, Nikita Khrushchev, and Joseph Stalin?

Answer: Soviet Union (accept USSR; accept Union of Soviet Socialist Republics; accept CCCP; accept Soyuz Sovyetskikh Sotsialisticheskikh Respublik; accept Russia)

- 18) What region consists of a mixture of iron and nickel in two layers - one solid, one liquid - found beneath the Earth's mantle?

Answer: Earth's inner and/or outer core

- 19) What president quashed a strike of air traffic controllers in August 1981, shortly after he succeeded Jimmy Carter as US President and survived an assassination attempt?

Answer: Ronald Reagan (accept Ronald Wilson Reagan)

- 20) Name the Markus Zuzak novel in which Death narrates Liesel Meminger's habit of stealing works of literature in Germany during World War II.

Answer: The Book Thief

Volleyball Round

- 1) What mythical mother of Pyrrha was given to Epimetheus as a gift from the Greek gods, along with a "jar" or "box" that contained all the evils of the world?

Answer: **Pandora**

- 2) The Delian League was created and dominated by what city-state, whose navy gave them hegemonic power over Greece until they lost the Peloponnesian War to Sparta?

Answer: **Athens**

- 3) In 2010, the Deepwater Horizon oil rig exploded in what large body of water, causing oil slicks to wash ashore in Mississippi, Alabama, and Florida?

Answer: **Gulf of Mexico** (prompt on partial answers)

- 4) In computer science, what adjective describes a tree in which each node has at most two children nodes, as well as a kind of computer code in which data is represented using zeroes and ones?

Answer: **binary** (accept **binary** tree, **binary** code, **binary** number system, etc.)

- 5) What term describes a homogeneous mixture in which the particles of one substance are dissolved in a solvent?

Answer: **solution**

- 6) What company's games division earned criticism when it bought Activision Blizzard in 2023 after a series of video game studio purchases like that of Obsidian Entertainment and Mojang?

Answer: **Microsoft** Gaming

- 7) The Korean Hangul and the Eurasian Cyrillic are two examples of what type of writing system, in which each consonant and vowel is represented by a letter?

Answer: **alphabet**

- 8) The semi-historical poems *Evangeline* and *The Song of Hiawatha* are by what American poet who also wrote "Paul Revere's Ride?"

Answer: Henry Wadsworth **Longfellow**

- 9) What sport, overseen by the French F.I.A., has separate annual awards for the constructors and drivers of its open-topped, single-rider race cars, which distinguish it from stock car races like NASCAR?

Answer: **Formula One** (accept **F1**)

- 10) Steroids are examples of what broad class of compounds, which regulate various behaviors after they are released from endocrine glands?

Answer: **hormones**

- 11) What last name is shared by Elizabeth, the poet of *Sonnets from the Portuguese* and her husband Robert, the poet of "My Last Duchess?"

Answer: **Browning** (accept Robert and/or Elizabeth Barrett **Browning**)

- 12) A Hessian force was routed in Trenton on Christmas night, 1776, after a stealthy crossing of what river by George Washington's forces?

Answer: **Delaware** River

- 13) What Italian Renaissance artist used bronze to sculpt the equestrian statue *Gattamelata* and a bronze *David*?

Answer: **Donatello** (accept either underlined name of **Donato** di Niccolò di **Betto Bardi**)

- 14) What bones, which sit horizontally and lack marrow unlike other long bones, connect to the sternum and join the shoulder blade to make up the shoulder?

Answer: **clavicles** (accept **collarbones**)

- 15) William Lyon Mackenzie King served three terms in what political role, which was first held by John MacDonald and currently held by Justin Trudeau?

Answer: **Prime Minister of Canada** (accept equivalents like **Canadian PM**)

Lightning Round

The categories are...

- 1) Revolutionary Wars
- 2) Poetic Languages
- 3) Streaming on Spotify

Revolutionary Wars

Given a battle or similar outbreak of revolutionary violence, name the revolution and/or country. You can either name the country that gained its independence or changed its leadership, or you can name the revolution itself, because sometimes that's named for the place, and sometimes it isn't. Either is OK.

- 1) The Battles of Long Island and Bunker Hill.

Answer: **American** Revolution (accept **USA** or **America**)

- 2) The storming of the Bastille.

Answer: **French** Revolution (accept **France**)

- 3) Riots in Petrograd that ousted Tsar Nicholas II.

Answer: **Russian** Revolution of 1917; accept **February** Revolution; accept **Russia**; do not accept USSR)

- 4) The Battle of Yangxia against the Qing Dynasty.

Answer: **Xinhai** Revolution (accept Republic of **China**)

- 5) The Battle of Celaya, lost by Pancho Villa.

Answer: **Mexican** Revolution (accept **Mexico**)

- 6) The Battle of San Jacinto, won by Sam Houston.

Answer: **Texan** Revolution (accept **Texas**; do not accept USA)

- 7) Attack on the Moncada Barracks, led by Fidel Castro.

Answer: **Cuban** Revolution (accept **Cuba**)

- 8) Riots that ousted the Shah from Tehran in 1979.

Answer: **Iranian** Revolution (accept **Islamic** Revolution)

- 9) A siege of Spanish Manila in an Asian island country.

Answer: **Philippine** Revolution (accept **Philippines**)

- 10) Toussaint Louverture's slave uprising in the Caribbean.

Answer: **Haitian** Revolution

Poetic Languages

Given some poems and their authors, name the language in which the poems were originally written. Remember to give the language of the poem, which might not be the same as the poet's nationality. Answers may be repeated.

- 1) The Road Not Traveled by Robert Frost.

Answer: **English** (accept American **English**)

- 2) The *Odyssey* by Homer.

Answer: **Greek** (accept Homeric **Greek**; accept Ancient **Greek**; accept **Helenike**; accept **Ellinika**)

- 3) La Rose de l'Infante by Victor Hugo.

Answer: **French** (accept langue **française**)

- 4) Haiku written by Matsuo Basho

Answer: **Japanese** (accept **Nihongo**)

- 5) Quiet Night Thought by Li Bai.

Answer: **Chinese** (accept **Mandarin**; accept **Guanhua**; accept Northern **Chinese** or **Beifanghua**)

- 6) Ode to Joy by Friedrich Schiller.

Answer: **German** (accept **Deutsch**)

- 7) The collection *Sonnets from the Portuguese* by Elizabeth Barrett Browning.

Answer: **English** (accept British **English**)

- 8) *Twenty Love Poems and a Song of Despair* by Chilean poet Pablo Neruda.

Answer: **Spanish** (accept **español**; accept **Castilian** or **castellano**)

- 9) The collection *Americanas* by Machado de Assis, from Brazil.

Answer: **Portuguese** (accept língua **portuguesa**)

- 10) The *Rubaiyat* by Omar Khayyam.

Answer: **Persian** (accept **Farsi**)

Streaming on Spotify

Given the singer and a lyric, name some of the songs on Spotify's *Top Tracks of 2023* playlist, which compiles songs that were streamed the most last year. Not all of these songs were released in 2023.

- 1) Taylor Swift; "it's blue, the feeling I've got."

Answer: **Cruel Summer**

- 2) Taylor Swift again; "It's me, hi, I'm the problem, it's me."

Answer: **Anti-Hero**

- 3) Miley Cyrus; "I can take myself dancing."

Answer: **Flowers**

- 4) Harry Styles; "Why are you sitting at home on the floor?"

Answer: **As It Was**

- 5) Olivia Rodrigo; "I used to think I was smart."

Answer: **vampire**

- 6) Jung Kook and Latto; "Monday, Tuesday, Wednesday, Thursday, Friday, / Saturday, Sunday."

Answer: **Seven**

- 7) The Weeknd; "Sin City's cold and empty."

Answer: **Blinding Lights**

- 8) FIFTY FIFTY; "I look for his arrows every day."

Answer: **Cupid** (Twin Version)

- 9) SZA; "I'm so mature, I got me a therapist to tell me there's other men."

Answer: **Kill Bill**

- 10) Taylor Swift yet again; "Magic, madness, heaven, sin."

Answer: **Blank Space**

Final Challenge

- 1) The cecum is joined to what worm-shaped tube at the junction of the small and large intestines? This organ's inflammation can cause extreme abdominal pain, leading to its surgical removal.

Answer: appendix

- 2) What monarch was scandalized by the Affair of the Diamond Necklace; tried to flee with her family to Varennes; and was executed by guillotine a few months after her husband, King Louis XVI?

Answer: Marie Antoinette (accept Maria Antonia Josepha Johanna)

- 3) What kind of creatures included dryads and naiads, which represented forests and rivers? These creatures were low-level spirits of the natural world in Greek myth.

Answer: nymphs

- 4) James Wilkinson conspired with what politician on a secession plot? This man, Thomas Jefferson's first Vice President, infamously shot and killed Alexander Hamilton in an 1804 duel.

Answer: Aaron Burr

- 5) What element's tetraethyl form was found by Thomas Midgley to prevent knocking in engines when added to gasoline? This toxic element with symbol Pb was once common in paint and water pipes.

Answer: lead (accept Pb before it is read)

- 6) What body of water, whose Ojibwe name is often mispronounced as Gitche-Gumee, is the resting place of the Edmund Fitzgerald, an iron freighter that sank off the north shore of the Upper Peninsula of Michigan?

Answer: Lake Superior

- 7) The mythical pirate haven of Libertalia was supposedly built on what island, the home of the Malagasy people? This island's largest city is Antananarivo, and it may be best known as the only natural habitat of lemurs.

Answer: Madagascar

- 8) Give the last name shared by the authors of *The Tenant of Wildfell Hall*, *Wuthering Heights*, and *Jane Eyre*, a set of English sisters with the first names Anne, Emily, and Charlotte.

Answer: **Brontë** (accept Anne, Emily, and/or Charlotte **Brontë**; accept Acton, Ellis, and or Curer **Bell**, the shared surname that the sisters wrote under)

- 9) Name the composer who included "Doctor Gradus ad Parnassum" in his *Children's Corner* piano suite, and who wrote impressionist piano works and "Clair de Lune."

Answer: Claude **Debussy** (accept Achille-Claude **Debussy**)

- 10) In what Hawthorne novel does Roger Chillingworth treat a chest rash on Reverend Arthur Dimmesdale that reveals that he committed adultery with Hester Prynne, who is forced to wear an embroidered red "A" on her clothes?

Answer: The **Scarlet Letter**

- 11) What Frenchman, whose "rule of signs" can provide information about the roots of a polynomial, developed the x-y coordinate plane now named for him?

Answer: René **Descartes**

- 12) What film franchise includes movies titled the *Dawn of*, *War for*, and *Kingdom of* the title post-human world ruled by monkey-like creatures?

Answer: **Planet of the Apes** (accept Dawn of the **Planet of the Apes**; accept War for the **Planet of the Apes**; accept Kingdom of the **Planet of the Apes**)

- 13) Name the epic poem in which a lion, a panther, and a wolf chase the narrator into the title realm, where he meets the long-dead poet Virgil and explores the circles of Hell. This is the first section of Dante's *Divine Comedy*.

Answer: **Inferno** (accept **Divine Comedy** or **Divina Comedia** before "first section" is read; prompt on "Divine Comedy" or "Divina Comedia" after "first section" is read)

- 14) The tonoplast surrounds what cell organelle, which helps maintain a cell's pH, sequesters waste products within the cell, and stores water and other useful compounds?

Answer: **vacuoles**

15) A Cardboard Cathedral was built in what country after the 2010 Christchurch earthquake struck its South Island? This country's North Island is home to Auckland and Wellington.

Answer: New Zealand

16) What American science fiction author wrote the *Foundation* series and outlined three fundamental laws of robotics in the novel *I, Robot*?

Answer: Isaac Asimov

17) What mathematical objects can be added together using the "tip-to-tail" method? In physics, these objects possess magnitude and direction, unlike scalars.

Answer: vectors

18) The Hittites gave the Kassites control of what city, where the Etemenanki ziggurat was built, the law code of Hammurabi was issued, and an ancient wonder called the Hanging Gardens once stood?

Answer: Babylon

19) What man, who noted that the cube of the semi-major axis of an orbit is proportional to the square of its period, adjusted the theories of Copernicus to account for elliptical, not circular, planetary motion?

Answer: Johannes Kepler

20) What artistic movement is combined with Gothic Revival in the facade of the Radiator Building and is exemplified by the Chrysler Building's angular patterns and geometric tile, which dominated the style of the 1920s and '30s?

Answer: Art Deco (accept Arts Décoratifs; accept style moderne)