

Stateline Juniors 2023

Game 9

Buzz-In Round

- 1) Dentist Byron McKeeby appears on the right side of what 1930 painting by Grant Wood, in which he stands next to Wood's sister and holds a pitchfork in front of an Iowa farmhouse?

Answer: American Gothic

- 2) Atherosclerosis is believed to be caused by high blood levels of what substance, which comes in HDL and LDL varieties and which is present in eggs, butter, and red meat?

Answer: cholesterol (prompt on "lipid")

- 3) Name the 2023 song that pledges to "write my name in the sand" and "buy myself" the title things, and is sung by Miley Cyrus.

Answer: Flowers

- 4) What city was the site of the Maccabean Revolt when Judeans reclaimed this city's second Temple, which had replaced a Jewish temple built by Solomon?

Answer: Jerusalem (accept Yerushalayim; accept al-Quds)

- 5) Bucephalus was the favored horse of what ruler, a son of Philip of Macedon who conquered Greece and Persia in the fourth century BCE?

Answer: Alexander the Great

- 6) In a namesake show, what fictional character's "President" version gets his hand bit off by his "Alligator" self while trying to overthrow his "Kid" self, who had successfully killed his adoptive brother, Thor?

Answer: **Loki** (accept specific types, such as President **Loki** or Alligator **Loki**)

- 7) What region lies below the Moho discontinuity, is the site of convection plumes that create hotspots, and makes up more than 80 percent of the Earth's volume, immediately below the Earth's crust?

Answer: **mantle**

- 8) What modern-day country's "Twelve Treasures" include the Alhambra in Andalusia, a branch of the Guggenheim Museum in Bilbao, and the Sagrada Familia in Barcelona?

Answer: **Spain** (accept **España**; accept Kingdom of **Spain** or Reino de **España**)

- 9) A trio and breakstraw are commonly heard in what type of music, examples of which include "Washington Post," "Liberty Bell," and "The Stars and Stripes Forever" by its "King," John Philip Sousa?

Answer: **march** (accept military **marches**)

- 10) Mount Mitchell is the highest peak in what mountain range, where Springer Mountain and Mount Katahdin are two ends of a trail that stretches from Georgia to Maine?

Answer: **Appalachian** Mountains (accept **Appalachians**)

- 11) Name the American author of *Breakfast of Champions* and *Cat's Cradle*, who wrote about Billy Pilgrim becoming "unstuck in time" during the firebombing of Dresden in *Slaughterhouse-Five*.

Answer: Kurt **Vonnegut**, Jr.

- 12) What politician conspired with James Wilkinson to make a breakaway country in the American South while serving as Vice President, during which time he also shot and killed Alexander Hamilton?

Answer: Aaron **Burr**, Jr.

- 13) Name the short story by Shirley Jackson in which Tessie Hutchison screams "It isn't fair, it isn't right" as she is stoned to death because she drew a black spot during the title game of chance.

Answer: The **Lottery**

- 14) What unit of measurement is defined as the amount of energy needed to raise the temperature of a kilogram of water by one kelvin, and is commonly encountered on nutrition labels?

Answer: **calorie** (accept large **calorie**; prompt on "cal")

- 15) Name the punctuation mark whose name comes from the Greek for "turning away" or "omitting," and which can indicate the genitive or possessive case when it is followed by the letter S.

Answer: **apostrophe**

- 16) It is impossible, when using a straightedge and what other geometric tool, to draw a square with the same area as a given circle? These tools use a fixed point and a swinging arm to draw arcs and circles.

Answer: **compass**

- 17) In 1324, Mansa Musa crashed the economy of Egypt while undergoing what type of journey, which is compulsory at least once for able adult Muslims and leads to a holy city in Saudi Arabia?

Answer: **Haji** (accept **pilgrimage to Makkah** or **pilgrimage to Mecca**)

18) The isle of Vieques [vee-ay-kess] is part of what territory, which is east of the Dominican Republic, has capital San Juan, and is a Caribbean island that is a commonwealth of the United States?

Answer: **Puerto Rico**

19) Albert Einstein earned his Nobel Prize explicitly for his work studying what effect, in which electrons are emitted from a metal plate when it is struck by light?

Answer: **photoelectric** effect

20) Name the setting of the story "Dark They Were, and Golden-Eyed" by Ray Bradbury, in which a group of Earth colonists settle on this nearby red planet.

Answer: **Mars**

Volleyball Round

- 1) Miki Sudo was the 2022 champion at a contest, sponsored by Nathan's Famous each July 4th, to eat which kind of food that, when prepared Chicago-style, does not have ketchup?

Answer: **hot dogs** (accept synonyms like **frank**furters)

- 2) The Calvin cycle takes place in the stroma, a fluid contained within which plant organelle? This organelle appears green under a microscope due to the chlorophyll contained within it.

Answer: **chloroplast**

- 3) 1, 4, 9, 16, 25... is the start of what sequence of numbers, named for how they can be drawn geometrically or for the exponent used to create them?

Answer: perfect **square** numbers

- 4) Seward's Folly was a derisive nickname for the 7.2 million dollar purchase of what territory, which became the 49th US state?

Answer: **Alaska**

- 5) The New Horizons probe visited which dwarf planet, which is orbited by the moons Hydra, Kerberos, Nix, Styx, and Charon?

Answer: **Pluto**

- 6) Rene Magritte's *Time Transfixed* is on display at what city's Art Institute, a museum in Grant Park just south of a polished steel sculpture known as "The Bean?"

Answer: **Chicago**

- 7) Baron Haussmann oversaw the urban renewal of what European city, including the design of twelve roads that lead to the Arc de Triomphe?

Answer: **Paris**

- 8) What element, whose atomic number of 20 places it just below magnesium in the second group of the periodic table, is found in the minerals apatite, gypsum, and limestone?

Answer: **calcium** (accept **Ca**)

- 9) Nadine Gordimer and Alan Paton are writers from what country, where their novels *The Conservationist* and *Cry, the Beloved Country* are set during Apartheid?

Answer: **South Africa** (accept **Republic of South Africa** or **RSA**)

- 10) What US President oversaw the "Era of Good Feelings" after the War of 1812, as he was elected nearly unanimously to succeed James Madison?

Answer: James **Monroe**

- 11) The Maldives, Mauritius, and Andaman Islands are all found in which ocean?

Answer: **Indian** Ocean

- 12) Name the novel in which Mildred reports her fireman husband, Guy Montag, for possessing unburned books, a work by Ray Bradbury.

Answer: **Fahrenheit 451**

- 13) Name the mesoamerican civilization whose myths include a story in which the lords of Xibalba play the ball game against Kukulcan, a god worshiped at Chichen Itza.

Answer: **Mayan** people (accept **K'iche'** Maya)

- 14) What NFL team, which joked that the entire NFL season is scripted during its 2023 schedule release video, is quarterbacked by Trevor Lawrence and plays its games in Duval County in northern Florida?

Answer: **Jacksonville Jaguars** (accept either or both names)

- 15) In a novel by Virginia Woolf, the Ramsay family is shattered by World War I before its remaining members finally make a title trip to what structure?

Answer: **lighthouse** (accept **To the Lighthouse**)

Lightning Round

The categories are...

- 1) Wars Around the World
- 2) Literary Orphans
- 3) Internet Cats

Wars Around the World

Given the name of a battle and some other clues, name the modern-day country where that battle was fought.

- 1) The World War II battles of Stalingrad and Leningrad.

Answer: **Russia** (accept **Russian** Federation; accept **Rossiya** or **Rossiyskaya** Federatsiya)

- 2) Cannae, during Hannibal's invasion of Rome.

Answer: **Italy** (accept **Italian** Republic; accept Repubblica **Italiana**)

- 3) The 1798 Battle of the Nile.

Answer: **Egypt** (accept Arab Republic of **Egypt**; accept **Misr** or **Masr**; accept Jumhuriya **Misr** al-Arabiyah; accept Gomhoryet **Masr** el-Arabeyya)

- 4) Iwo Jima, where a flag was famously raised during World War II.

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

- 5) The French withdrawal from Dien Bien Phu, decades before the American withdrawal from Saigon.

Answer: **Vietnam** (accept Socialist Republic of **Vietnam**; accept Cong hoa Xa hoi chu nghia **Viet Nam**)

- 6) The ancient battles of Salamis, Marathon, and Thermopylae.

Answer: **Greece** (accept **Hellenic** Republic; accept **Ellada** or **Hellas**; accept **Elliniki** Dimokratia)

- 7) The dozens of sieges of Constantinople.

Answer: **Turkey** (accept Republic of **Turkey**; accept **Turkiye** Cumhuriyeti)

- 8) The English victories of Agincourt and Crécy during the Hundred Years' War.

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

- 9) The 1847 American siege of Veracruz.

Answer: **Mexico** (or United **Mexican States**; accept Estados Unidos **Mexicanos**)

- 10) Waterloo, the final loss for France under Napoleon.

Answer: **Belgium** (accept Kingdom of **Belgium**; accept Royaume de **Belgique**; accept Königreich **Belgien**; accept Koninkrijk **België**)

Literary Orphans

Name some orphaned characters in works of classic literature from clues about the works in which they appear.

- 1) Girl who lives with her aunt and uncle in Kansas in *The Wizard of Oz*.
Answer: Dorothy Gale (accept either underlined name)
- 2) Ring-bearing Hobbit who lives with his uncle, Bilbo Baggins.
Answer: Frodo Baggins
- 3) Mark Twain character whose father is found dead in a floating house by Tom Sawyer.
Answer: Huck Finn (accept either name; accept Huckleberry Finn)
- 4) Boy who asks for more gruel and joins the Artful Dodger in a novel by Charles Dickens.
Answer: Oliver Twist (accept either underlined name; accept Oliver Twist; or, the Parish Boy's Progress)
- 5) Title character who marries Rochester in a novel by Charlotte Bronte.
Answer: Jane Eyre (accept either underlined name)
- 6) Red-haired girl who is accidentally sent to live with the Cuthberts on Prince Edward Island.
Answer: Anne of Green Gables (accept either underlined portion of Anne Shirley)
- 7) Adopted boy who seeks revenge on everyone else in *Wuthering Heights*.
Answer: Heathcliff
- 8) Adoptive sister and wife of Victor Frankenstein.
Answer: Elizabeth Lavenza (accept either underlined name; accept Elizabeth Frankenstein)
- 9) Real name of the title marksman in James Fennimore Cooper's *The Deerslayer*.
Answer: Nathaniel "Natty" Bumppo (accept any underlined name)
- 10) Title failed scholar who ruins his life with Sue Bridehead in a novel by Thomas Hardy.
Answer: Jude Fawley (accept either underlined name; accept Jude the Obscure)

Internet Cats

Identify the following cats or things that they interact with in famous memes.

- 1) Musical cat with a Pop Tart body.

Answer: **Nyan** Cat

- 2) Nickname of Tardar Sauce, a cat with an unhappy face.

Answer: **Grumpy** Cat

- 3) Food that the white cat Smudge sneers at in a reaction meme.

Answer: **salad** (accept **lettuce**)

- 4) Black cat with wide, vacant eyes who was made mayor of Hell, Michigan in 2022.

Answer: **Jinx** Sploinky Scoot

- 5) Instrument that Fatso the ginger cat uses to "play them off."

Answer: **Keyboard** Cat

- 6) Dwarf cat known for her big eyes and stuck-out tongue.

Answer: **Lil Bub**

- 7) Moustachio-ed "Hipster Cat" named for a 2010s musical.

Answer: **Hamilton**

- 8) Russian Caracal known for his large, tufted ears and relaxed posture.

Answer: Big **Floppa** (accept **Gregory**; accept **Gosha**)

- 9) Beer-box-loving Japanese cat who lives with other cats Hana and Miri.

Answer: **Maru**

- 10) Profession of a man who said "I'm not a cat" after accidentally using a filter during a pandemic Zoom meeting.

Answer: **lawyer** (accept **Lawyer** Cat or Zoom Cat **Lawyer**)

Final Challenge

- 1) What man rose to power after the surprising December 31, 1999 resignation of Boris Yeltsin, briefly traded the presidency with Dmitry Medvedev, and currently leads Russia?

Answer: Vladimir **Putin** (accept Vladimir Vladimirovich **Putin**)

- 2) The base of a logarithm must be what type of number? Taking the absolute value of a number always gives you this type of number, which is found to the right of zero on a number line.

Answer: **positive** numbers

- 3) A common colligative property will elevate the point at which what process occurs? This process typically takes place at 212 degrees Fahrenheit, or 100 degrees Celsius.

Answer: **boiling** (accept word forms; accept **boiling** point elevation)

- 4) Mrs. White was briefly replaced by Dr. Orchid in what board game, whose tokens include a lead pipe, a candlestick, and a knife that might be placed in the Lounge, Hall, or Study?

Answer: **Clue** (accept **Cluedo**)

- 5) Name the novel in which Lucie Manette's husband, Charles Darnay, is replaced at the guillotine by his lookalike, Sydney Carton, a work by Charles Dickens about the French Revolution.

Answer: A **Tale of Two Cities**

- 6) What composer of *Prelude to the Afternoon of a Faun* tried to convince colleagues that he wasn't an impressionist musician, despite the shimmering sound of piano pieces like his *Clair de Lune*?

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

- 7) What process, which only occurs in eukaryotic cells, goes through stages like anaphase and metaphase and results in no change in the number of chromosomes, unlike meiosis?

Answer: **mitosis** (prompt on "cell division")

- 8) What major US city is the site of the longest continuous bridge over water, the Lake Pontchartrain Causeway? This home of the French Quarter is the last major city on the Mississippi River, in Louisiana.

Answer: **New Orleans**

- 9) What mythical figures, such as Gunnr [GOO-nur] and Brünhilde, were shield maiden and guides who flew the souls of warriors to the Norse afterlife?

Answer: **valkyries** (accept **shield-maiden** before it is read)

- 10) Name the play by Arthur Miller in which Tituba is driven insane in prison after being falsely accused of casting spells during the Salem witch trials.

Answer: The **Crucible**

- 11) Indexes that calculate the performance of what systems include the FTSE [foot-see], Nikkei [nee-kay], and S&P 500? A 1929 crash of one of these systems led to the Great Depression.

Answer: **stock market** (accept **share market**; accept **equity market**; accept **stock market** index; prompt on "stock" or "share")

- 12) The eastern border of Liechtenstein is shared with what European country, which is home to the cities of Linz, Innsbruck, Salzburg, and Vienna?

Answer: **Austria** (accept Federal State of **Austria** or Bundesstaat **Österreich**; accept Republic of **Austria** or Republik **Österreich**)

- 13) Several transition metals possess a form of magnetism named for what metal element, called ferromagnetism? This element has atomic symbol Fe [F E].

Answer: **iron** (accept **Fe** before it is read)

- 14) The shores of what colorfully-named sea include the cities of Sinop and Odessa, as well as Sevastopol on the Crimean Peninsula and many suburbs of Istanbul on the northern shores of Turkey?

Answer: **Black** Sea

- 15) The pith of an African sedge plant can be processed into what material, on which some of the Dead Sea Scrolls and the Egyptian Book of the Dead were recorded and which was improved on by paper?

Answer: **papyrus**

- 16) In a basic solution, a bromothymol indicator will turn what color, which is shared by pigments containing the element cobalt and provides the "B" in the acronym "Roy G Biv?"

Answer: **blue**

- 17) Pompeii's House of the Faun is home to a depiction of Alexander in what type of artwork, created by arranging small colored stones or tiles, often on a wall or floor?

Answer: **mosaics**

- 18) What French author wrote about obsessive characters like Archdeacon Claude Frollo and Inspector Javert in novels like *Notre-Dame de Paris* and *Les Miserables*?

Answer: Victor **Hugo** (accept Victor Marie **Hugo**)

- 19) What word describes a type of "ascension" used in measuring astronomical angles, as well as a type of angle whose size is between acute and obtuse?

Answer: **right** (accept **right** ascension; accept **right** angle)

20) Name the Czech author who wrote about Josef K's mysterious legal troubles in *The Trial* and about Gregor Samsa's mysterious transformation in *The Metamorphosis*.

Answer: Franz **Kafka**