

# Round 1

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## Regulation Tossups

(1) This author's writings, along with Pei Min's swordplay and Zhang Xu's [[ZHAHNG SHOOS]] calligraphy, make up the "Three Wonders." According to legend, this author drowned when he tried to grab the reflection of the moon. One of this author's poems was translated by Ezra Pound as "The River Merchant's Wife: A Letter." This author's poems include "Quiet Night Thought" and "Drinking Alone By Moonlight." For the point, name this Chinese poet, a friend of Du Fu during the Golden Age of the Tang [[TAHNG]] Dynasty.

ANSWER: **Li Bai** (or **Li Po**; accept **Taibai**; accept **Qinglian Jushi**)

(2) A work by a composer from this country depicts its legends and landscape, with a section named *Vltava*, known in English as *The Moldau*. That composer from this country is also known for his opera *The Bartered Bride* and his symphonic cycle *Ma vlast*. Another composer from this country is known for his orchestral work *Symphony from the New World*. For the point, name this home country of Bedřich [[BED-er-zhik]] Smetana and Antonín Dvořák [[DVOR-zhahk]].

ANSWER: **Czech Republic** (or **Czechia**; or **Ceska republika**; or **Cesko**; accept **Bohemia** or **Čechy**; do not accept or prompt on "Czechoslovakia")

(3) This god's first wife, Sati, self-immolated after her father disrespected her husband. This god is often considered equivalent to the Vedic storm deity, Rudra. This god is depicted standing on the dwarf of ignorance in his Lord of the Dance aspect. This god decapitated one of his sons and replaced his head with that of an elephant. The father of Kartikeya and Ganesha with his wife Parvati, for the point, who is this Hindu god, the Lord of Destruction?

ANSWER: **Shiva** (or **Siva**; or **Shiv**; or **Siv**; or **Mahadeva**; accept **Rudra** before mentioned; prompt on "Nataraja")

(4) This phenomenon is plotted against unemployment on the Phillips Curve. This phenomenon's "hyper" type has been notably experienced by Yugoslavia and Zimbabwe. This phenomenon can be measured with the wholesale price index, which tracks changes in the prices of a "representative basket" of goods. For the point, name this economic phenomenon, the loss of a currency's value that causes prices to go up over time.

ANSWER: **Inflation** (or Price **inflation**; accept **Inflation** rate)

(5) This law motivated the expansion of the “paper sons” scheme. The Geary Act made this law permanent, and this law overrode the Burlingame Treaty. The “Driving Out” period that followed this law included the Rock Springs Massacre. Angel Island was built to enforce this law which was passed in response to racial hostility towards low-wage workers on the Transcontinental Railroad. For the point, name this law that banned immigration from a specific Asian country.

ANSWER: **Chinese Exclusion** Act of 1882

(6) A compound with this element as its central atom has a standard chemical shift of zero in NMR spectroscopy. The crystalline form of this element is the most prevalent material in photovoltaic cells. A compound of this element and oxygen is used in packets labeled “DO NOT EAT” to sustain dryness. This element has been proposed as a potential chemical base for life due to its position below carbon in the periodic table. For the point, name this element symbolized Si [[ESS-"EYE"]].

ANSWER: **Silicon** (accept **Si** before mentioned)

(7) This character kisses the lord of the castle on successive days in exchange for whatever the lord caught while hunting. Lady Bertilak repeatedly attempts to seduce this character as part of a test of his purity. In a work by the anonymous Pearl Poet, this character is given a magic girdle that allows him to survive a beheading contest. For the point, name this knight from Arthurian legend, who titles a Middle English poem with the Green Knight.

ANSWER: Sir **Gawain** (or **Gwalchmei**; accept *Sir **Gawain** and the Green Knight*)

(8) This modern country's Orthodox church uses the liturgical language Ge'ez [[geh-EZ]]. This is the larger of two countries whose church uses the name Tewahedo [[TEH-wah-HEH-doh]]. One church in this country claims to possess the Ark of the Covenant, and the final ruling dynasty of this country took its name from, and claimed descentance from, King Solomon. For the point, name this African country, once ruled by Haile Selassie [[HAI-leh seh-LAH-seh]].

ANSWER: Federal Democratic Republic of **Ethiopia** (or **Ityop'iya** Federalawi Demokrasiyawi Ripeblik; prompt on "Abyssinia")

(9) This material names a type of marsh that undergoes nitrogen loading, allowing them to rival rainforests in terms of productivity. Many land speed records are set in flats named for this material, such as the Bonneville example in Utah. The mineral form of this material is known as halite or this material's "rock" form. One can effortlessly float in the Dead Sea due to high concentrations of this material. For the point, name this material whose concentration in oceans is measured as salinity.

ANSWER: **Salt** (or **Sodium chloride**; or **NaCl**; accept Sea **Salt**; accept **Salt** Marsh; accept **Salt** Flat(s))

(10) One ruler of this modern-day country used three ranks of arquebusiers [[ar-keh-buh-SYEH]] to neutralize cavalry charges. That ruler of this country was betrayed when his subordinate set fire to the Honnō temple. Another ruler of this country confiscated thousands of swords under the pretense of melting them down into a Buddha statue. Two Mongol invasions of this country failed due to typhoons called *kamikaze*. For the point, name this country, once ruled by the Taisho Emperor.

ANSWER: **Japan** (or **Nippon**-koku; or **Nihon**-koku)

(11) This function is applied to sample size to calculate standard error of the mean. This function applied to two is the subject of the earliest known proof by infinite descent. This function cancels out in the rationalization of the denominator and is applied to the discriminant in the quadratic formula. Equivalent to raising a number to the power of one-half, for the point, what is this function which is the inverse of the square?

ANSWER: **Square Root** (prompt on "root"; do not accept or prompt on "square")

(12) One of this man's works deals with two parents named HCE and ALP, as well as their children Shem, Shaun, and Issy, and is considered among the most difficult works in the Western canon. This man abandoned his initial autobiography, *Stephen Hero*, and worked instead on *A Portrait of the Artist as a Young Man*. This man took sixteen years to write his final book, *Finnegan's Wake*. For the point, name this Irish author of *Ulysses*.

ANSWER: James **Joyce**

(13) One man to whom this two-word term could be applied was a pharmacist and conman who terrorized the 1893 Chicago World's Fair. Lavinia Fisher and Aileen Wuornos [{"WAR"}-noass] were the first females given this designation. Fictional characters who held this role include Dexter Morgan, Sideshow Bob, and Sweeney Todd. "Son of Sam" and the "Boston Strangler" were nicknames of men known by, for the point, what designation given by the FBI to a person who has committed at least three murders?

ANSWER: **Serial killer**s (prompt on "murderer(s)" and similar answers)

(14) This country's military destroyed Jala Tower, a high-rise that housed offices for the Associated Press. A diverse coalition in this country elected nationalist Naftali Bennett to oust a longtime prime minister. This country was criticized for evicting residents from its Sheikh Jarrah neighborhood. This country used its Iron Dome defense system to neutralize missile strikes from Gaza. For the point, name this country that disputes Jerusalem with Palestine.

ANSWER: State of **Israel** (or Medinat **Yisra'el**)

(15) Large discrepancies in values of this quantity in neutrinos can be described by the seesaw mechanism. Muons [[MYOO-ons]] emit less *bremsstrahlung* [[BREM-shtrah-lung]] than electrons because they have much more of this quantity. Neutrinos were mistakenly thought to have a value of zero for this quantity. Atoms of the same element with different values of this quantity are called isotopes. This quantity for a proton or neutron is about 1 AMU. For the point, name this quantity measured in kilograms.

ANSWER: **Mass** (accept **m**)

(16) This island is home to a style of folk music derived from the Trinidadian genres *kaiso* and *calypso*, itself known as *mento*. Popular dance music genres from this island include rocksteady and dancehall. Stranger Cole and Prince Buster helped popularize this island's ska music scene. This island's reggae music is deeply incorporated into the Rastafari movement. For the point, name this Caribbean island, the home country of Bob Marley.

ANSWER: **Jamaica**

(17) A man in this profession, due to his love for Lucie Manette [[mah-NET]], switches places with the soon-to-be-executed Charles Darnay. A man in this profession named Tulkinghorn commits both blackmail and fraud during the case *Jarndyce v. Jarndyce* in the novel *Bleak House*. For the point, name this profession practiced by Atticus Finch in *To Kill a Mockingbird*.

ANSWER: **Lawyer** (accept **Attorney**, **Barrister**, or **Solicitor**)

(18) This person led a charge into the back of the Breymann redoubt, allowing for the capture of Bemis Heights. This person was incriminated by papers discovered in the capture of John André. This general became disillusioned after not receiving adequate credit for his actions at Saratoga, sparking his plans to give away West Point. For the point, name this general who defected to the British during the American Revolution.

ANSWER: Benedict **Arnold**

(19) In this process, plastoquinone [[plass-toh-KWIH-nohn]] acts as an electron carrier. This process sometimes creates 2PG instead of PGA, necessitating detoxification in the peroxisomes [[peh-ROK-sih-sohms]]. A step of this process that occurs in the thylakoid lumen produces NADPH. One step of this process is catalyzed by RuBisCo [[roo-BIH-skoh]]. This process contains light and dark reactions, the latter of which is called the Calvin Cycle. For the point, name this reaction that converts sunlight into chemical energy in the chloroplast of a plant cell.

ANSWER: **Photosynthesis** (prompt on "light-dependent reactions" or "light reactions" until "2PG" is mentioned)

(20) Painters belonging to this movement were influenced by the techniques of artists such as J. M. W. Turner and John Constable, including eschewing black paint and painting *en plein air* [[ohn pleh-NEHR]]. The first four pioneers of this movement studied under Charles Gleyre. The painting *Dance at Le moulin de la Galette* by Auguste Renoir [[reh-NWAH]] is one of this movement's most celebrated paintings. For the point, name this artistic movement whose practitioners included Edgar Degas [[deh-GAH]] and Édouard Manet [[mah-NEH]].

ANSWER: **Impressionism** (accept word forms such as **Impressionists**)

(21) This archipelago was once named the Sandwich Islands by James Cook in honor of James Montagu. Although it is not administered as part of this archipelago, Midway Atoll is located within it. Major islands in this archipelago include Kaho'olawe, Ni'ihau, and Kaua'i. For the point, name this Polynesian archipelago, which became the 50th U.S. state in 1959.

ANSWER: **Hawaiian Islands**

(22) This deity tricked the giants Otus and Ephialtes [[eh-fee-AL-teez]] into killing each other by transforming into a deer and running between them. This deity punished Actaeon [[ak-TEE-un]] by turning him into a stag after he watched her bathe. Immediately after her birth, this goddess helped her mother, Leda, give birth to her brother. For the point, name this Greek goddess of the hunt, the twin sister of Apollo.

ANSWER: **Artemis** (accept **Diana** before "Greek" is mentioned)

(23) In one poem, this author described a pane of glass melting after he "held against the world of hoary grass." This author of "After Apple Picking" also wrote a poem that takes its name from a line in Macbeth and depicts a young boy dying after losing his hand to a buzz saw. One of this poet's works describes a man who repeats the line "good fences make good neighbors" while walking along the title structure. For the point, name this American poet, the author of "Out, Out—" and "Mending Wall."

ANSWER: Robert **Frost**

(24) This city used the silver mines of Laurion to fund its expansion. The quote "the strong do what they can and the weak suffer what they must" is attributed to this city in the Melian Dialogue. This city used ostracism to punish potential tyrants by exile. In the wake of the Persian Wars, this city founded the Delian League. Excluding women from its democratic institutions, for the point, what is this Greek city-state, a rival of Sparta?

ANSWER: **Athens** (or **Athenai**)

(25) These cells turn yellowish-red under Wright's Stain and become abnormally large in people with folate deficiencies. Before they mature, these cells are called reticulocytes [[reh-TIK-yoo-loh-"sights"]]. Most of these cells contain the Rhesus factor protein, and the malaria parasite struggles to infect these cells when they have the sickle cell mutation that affects the production of hemoglobin. For the point, name these cells that oxygenate the body and give blood its color.

ANSWER: **Red** blood cells (accept **Erythrocytes**, **Hematids**, **Erythroid** cells, or **Red** blood corpuscles; prompt on "blood cells")

(26) A popular rolled form of this product from Hangzhou [[HAHNG-ZHO]] is known as the Dragon Well variety. When mixed with the oil from bergamot [[BER-gah-mot]] oranges, the Earl Grey variety of this product is produced, while mixing it with spices makes the chai variety. This product's white, green, and oolong varieties are distinguished by the degree of oxidation. For the point, name this beverage made by steeping the leaves of *Camellia sinensis*.

ANSWER: **Tea** (accept **Camellia sinensis** before mentioned)

(27) All powers in the Taylor series for  $\sin$  [[SINE]] of  $x$  have this property. Numbers with this property are multiplied by three and added to one to generate the Collatz sequence. Only numbers with this property remain after the first step of the Sieve of Eratosthenes [[eh-rah-TAH-steh-nees]]. Functions with this property are symmetric over the line "Y" equals "X." Adding a number with this property to an even number will always result in a number with this property. For the point, name this property in which a number cannot be divided evenly in two.

ANSWER: **Odd** parity (accept **Oddness**)

(28) Fred Shuttlesworth invited this person to help lead "Project C." This leader called the United States "the greatest purveyor of violence in the world today" in a speech opposing the Vietnam War. The FBI's COINTELPRO program sent this leader an anonymous "suicide letter." This leader led marchers across the Edmund Pettus Bridge in Selma, including activist John Lewis. For the point, name this civil rights leader who gave the "I Have a Dream" speech.

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

(29) Phosphine reportedly detected on this body in 2020 was shown to be sulfur dioxide. This object was the subject of the *Venera* program, and the highest mountain on this planet, Maxwell Montes, is on its continent of Ishtar Terra. When it is visible from Earth, this object is the second-brightest object in the night sky. Due to a runaway greenhouse effect, this planet has the hottest planetary surface in the solar system. For the point, name this second planet from the Sun.

ANSWER: **Venus**

(30) In this novel, a chapter titled "Results" describes Madame de Thoux [[TOO]] reuniting with her brother George in Canada and tells readers that Topsy grows up to be a missionary. In this novel, Sam and Andy help Eliza save her son by jumping across blocks of ice in the Ohio River. This novel's title character saves Eva St. Clare but is still sold to Simon Legree, who has him beaten to death. For the point, name this novel which tells the story of the title enslaved person, written by Harriet Beecher Stowe.

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

**Extra Questions**

(1) The father of this creature's killer, King Aegeus [[uh-JEE-us]], committed suicide after seeing black sails. Daedalus [[DED-ah-lus]] and his son, Icarus [[IH-kah-rus]], designed and built this creature's habitat on the command of King Minos. Ariadne helped a hero navigate this creature's labyrinth by guiding him with a piece of thread allowing him to retrace his steps. For the point, name this half-man, half-bull monster who was slain by Theseus.

ANSWER: **Minotaur** (or **Minotaurus**)