

PRISON BOWL VIII

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Round 09

Tossups

1. This author wrote a play in which Eugenia is kidnapped by the Cleric under the orders of the Duke's Secretary. This author of *The Natural Daughter* also wrote a poem involving a boy being rejected by a flower, "Heath Rosebud. One of this author's characters asks "My son, why do you hide your face in fear?" and in another work by this author Gretchen drowns her newborn child. In an epistolary novel by this author, the protagonist commits suicide to avoid hurting Albert and Lotte's relationship. For 10 points, name this German author of *The Sorrows of Young Werther* and *Faust*.

ANSWER: Johann Wolfgang von Goethe <SoH>

2. Charles Spearman proposed the *g* factor after observing this concept in a number of school children in multiple classes, and some studies have suggested a correlation between this concept and myopia. Howard Gardiner argued that this concept exists in multiple components, including "kinesthetic" and "interpersonal" ones, while Robert Sternberg broke it into "analytic," "creative," and "practical" types. Hernstein and Murray used the Bell Curve to describe the distribution of this concept, and one method of measuring this concept is the Stanford-Binet test. For ten points, name this concept which can be measured by a namesake quotient.

ANSWER: intelligence [accept "intelligence quotient" until the giveaway] <CC>

3. This man designed a "Solar Hemicycle" for journalist Herbert Jacobs. This architect's affair with Mamah Borthwick eventually forced him to leave Oak Park and design a new studio in Wisconsin. A building designed by this resident of Taliesin mostly withstood the Great Kanto Earthquake and is the Imperial Hotel. This architect used a spiral design for a museum of "Non-Objective Painting" in Manhattan. This man returned to prominence by designing a Pennsylvania residence that cantilevers over a creek. For 10 points, name this architect who designed New York's Guggenheim Museum and Fallingwater.

ANSWER: Frank Lloyd Wright <GB>

4. The Mabahis, or John Murray, Expedition of 1933–34 traveled to ports around this sea. Ibn Battuta allegedly could not sleep in the town of Zeila on this sea, so he slept on his ship. The Portuguese attempted to use an island in this sea, Socotra, as a base, although the island's infertility led to sickness and abandonment. Vasco da Gama erected a coral pillar in Malindi on this sea in 1498. Ships called dhows with lateen sails would travel between places like the Sultanate of Mogadishu and India across this sea. For 10 points, name this sea between western India and Somalia named for the traders who sailed on it.

ANSWER: Arabian Sea (do not accept or prompt on Indian Ocean) <GA>

5. In this volume of the Old Testament, a man comments that he was birthed from his mother naked, and that's how he will die. This book compares the futility of questioning God to taming the beasts Behemoth and Leviathan. Eliphaz, Bildad, and Zophar are friends of the title character of this book, who comfort him for seven days and try and justify his punishment by saying that he sinned. After the devil causes a man to lose all his worldly possessions and break out in sores, his wife tells him to "curse God and die." For 10 points, name this book of the Bible where God test the piety of the title figure.

ANSWER: Book of Job <JK>

6. For the Rademacher distribution, this quantity is zero, and for the binomial distribution, it is equal to the number of trials times the probability of success. This quantity converges towards the expected value as the number of trials approaches infinity, according to the law of large numbers. The quadratic type of this value is often used in electrical engineering. The three main types of this variable are called Pythagorean. In general, this quantity is symbolized mu, and the “sample” or “arithmetic” type is denoted \bar{x} with a bar over it. For 10 points, name this most common measure of central tendency, a type of average.

ANSWER: mean [prompt on average until mention] <BS>

7. One of this man’s characters is an immigrant outlaw who takes Inez Middleton captive before his son Asa is killed by Abiram. That character, the husband of Esther Bush, is named Ishmael and appears in *The Prairie*. This author also wrote about a pioneer who appreciates the view on “Mount Vision,” Judge Marmaduke Temple. In another work, the Huron spy Magua attacks Alice and Cora Munro’s caravan, and rescue mission is undertaken by Chingachgook, Uncas, and the recurring character Natty Bumppo. For 10 points, name this American novelist of *The Leatherstocking Tales* and *The Last of the Mohicans*.

ANSWER: James Fenimore Cooper <Nate>

8. One painting from this country pairs an enormous bull with a small puppy. James Whistler’s paintings for the Peacock Room were influenced by the art of this country, and Vincent Van Gogh’s painting *A Bridge in the Rain* is a re-working of a painting by an artist from this country. That painter from this country created a series of woodblock prints depicting the 53 rest stations along the roads connecting this country’s capitals. One *ukiyo-e* (“oo-key-oh ay”) artist from this country created a work in which yellow fishing boats are being tossed around by enormous waves. For 10 points, name this country that Katsushika Hokusai depicted in his paintings of Mount Fuji.

ANSWER: Japan [accept Nihon-koku or Nippon-koku] <GB>

9. This nation had two primary social classes during part of its Golden Age, one of which was the tax-paying *Rayahs*. The disbanding of a prominent military force recruited through the Devshirme occurred in the Auspicious Incident in this nation. The 1839 Noble Edict of the Rose Chamber reformed taxation, criminal law, and individual rights in this nation during its Tanzimat period. This nation unsuccessfully besieged Vienna in 1583, and it was defeated by the Holy League at the Battle of Lepanto. For 10 points, name this nation, which conquered Constantinople in 1453 under Mehmed II, overthrowing the Byzantine Empire.

ANSWER: Ottoman Empire

10. This work was originally written in ten books, but a “Revised and Augmented” version was written in twelve books. Two characters in this book are described as walking “hand in hand, with wandering steps and slow.” One character in this work builds a city named Pandemonium and then declares that it is “Better to reign in hell than to serve in heaven.” According to the first book of this work, the author’s purpose is to “justify the ways of God to man.” For ten points, name this 17th-century epic poem by John Milton that tells the story of Adam and Eve’s expulsion from the Garden of Eden.

ANSWER: Paradise Lost <AG>

11. For a Lorentz oscillator, this quantity is equal to the square root of the real part of the dielectric constant, denoted epsilon. Transverse mode radiation is zero when these quantities are equal to each other, according to Fresnel’s equations. The critical angle equals the arcsine of the ratio of these quantities in two media, and a law named after a Dutch scientist relates these quantities to the sine of the angle of incidence and refraction. For 10 points, give the name for these quantities which most commonly describe how light is transmitted through a medium.

Answer: index of refraction <JK>

12. This poem mentions Queen Modthryth, who perpetrates terrible wrongs against her subjects. In this poem, treasure is sent to the Wulfings to mend a feud after Heatholaf is killed. Another character in this poem proves his masculinity by stating that he was pulled underwater by a sea monster during a swimming race. A thief in this poem steals a gem-encrusted goblet, causing a dragon to attack Geatland. Its protagonist defeats another enemy by ripping his arm out of its socket, and slays that beast’s mother, therefore saving King Hrothgar in the hall of Heorot. For 10 points, name this Old English epic poem about the slayer of Grendel.

ANSWER: Beowulf <AT>

13. In one myth, this goddess attempted to enchant the baby Dictys by throwing him in a fire, but was interrupted by an alarmed servant. In another myth, she attacks another god with a cobra fashioned out of clay, causing him to reveal his secret name. Nephthys disguised herself as this goddess in order to seduce Set, resulting in the birth of Anubis. This goddess, who is frequently depicted as wearing a throne as a crown, transformed into a kite to perform an act of resurrection. She had to gather up her husband's fourteen pieces because he was chopped up by Set. For 10 points, name this Egyptian goddess, who was the mother of Horus and wife of Osiris.

Answer: Isis <AT>

14. One man in this position oversaw the first Pan-American conference but had earlier failed to stop the War of the Pacific. Another man who held this position drafted most of the Platt Amendment and created the first US Foreign Service Exam, and that man was Elihu Root. This government position was held by the representative of Luzerne County at the Constitutional Convention, Timothy Pickering. Another man who held it was later the fifth president of the United States, James Monroe. The first man to officially hold this position would become the President who made the Louisiana Purchase, Thomas Jefferson, and it was first unofficially held by John Jay. For 10 points, name this position currently held by John Kerry.

ANSWER: Secretary of State <CL>

15. One form of radioactive dating involves potassium-40 decaying to one of these types of elements, while a notable tetrafluoride was the first compound created containing one of them. Interacting solely through van der Waals forces such as London dispersion, these elements appear in brackets in a namesake shorthand method for writing electron configurations. The complete valence shells of these elements are responsible for their tendency to be unreactive. For 10 points, name this group of elements on the rightmost side of the periodic table including helium and neon.

ANSWER: noble gases (accept group 18) <BM>

16. As of 2014, this country has around 50,000 trained health-care workers giving aid in 66 nations as well as the highest doctor-to-population in the world. Netflix recently announced an expansion in this country, even though 5 to 25% of the population has access to the internet. Alazanes de Granma, a baseball team from this country, has been struggling recently because their best pitchers have defected to the United States. In 2008 the president of this country resigned and was replaced by his younger brother, Raul, and in the 2015 State of the Union, President Obama pushed for a re-establishment of diplomatic relationships with this country. For ten points, name this Communist country with capital at Havana.

ANSWER: Cuba <WX>

17. This man wrote a work that can be sung with just any one vowel, and another one of his pieces begins with a descending A, G-sharp, C-sharp motif. One of this man's works is a choral symphony which quotes the Dies Irae melody and text by Edgar Allen Poe. This composer of *Vocalise* attempted to depict the oars of Charon on the river Styx in the symphonic poem *Isle of the Dead*. A more famous one of his works inverts the theme of a certain virtuoso violinist's 24th caprice. For 10 points, name this Russian pianist and composer known for his technically-demanding piano concerti and *Rhapsody on a Theme of Paganini*.

ANSWER: Sergei Vasilievich Rachmaninoff <AT>

18. Cells in this organ system can become CD30 positive, leading to the presence of Reed-Sternberg cells. Another type of cell in this system is classified as CD4 negative CD8 negative, and is known as a thymocyte. This organ system can become affected by Hodgkin's disease, and a part of it that becomes swollen during abdominal cancer is named for Virchow. This organ system, a part of which runs through the thoracic duct, utilizes B-cells and T-cells, and features namesake nodes that can become swollen during periods of infection. For 10 points each, name this organ system including the thymus and spleen, that filters white blood cells.

ANSWER: lymphatic system <AT>

19. The only female to hold this position formed her nation's eponymous "Labor Party" in what's known as the Alignment, and was previously injured by a hand grenade in the chamber of her country's parliament. That woman also hosted Willy Brandt in her nation's capital. One man who held this post executed Operation Magic Carpet and formed Unit 101 to combat Ariel Sharon-led militants. That first holder of this title was elected from the Mapai Party in 1948 and is David Ben-Gurion. For 10 points, name this position once held by Golda Meir and Yitzhak Rabin that Likud party member Benjamin Netanyahu currently holds in Jerusalem.

ANSWER: Prime Minister of Israel [or Israeli PM] <NB>

20. One of this man's last works was a discourse between the title character and Protarchus, who contrasted the title character's ideas about hedonism with Sophist argumentation; that work was *Philebus*. This man is credited with being the first to write that knowledge is justified true belief in his *Theaetetus*. One of this philosopher's theories asserts that abstract idea, and not the materialistic world, is the most fundamental type of reality. This theory is called the Theory of Forms. For 10 points, name this student of Socrates who presented The Allegory of the Cave in his work *The Republic*.

Answer: **Plato** <RM>

TB. One of this artist's paintings meant as a companion piece to a John Milton poem features a kneeling woman worshipping an outdoor painting of a Mary and Jesus. Another one of his paintings shows a man lying on a giant book and gazing at a cathedral, Greek Temple, and a pyramid. This artist of *The Architect's Dream* painted a really big natural formation resembling a cup in his *The Titan's Goblet*, and included a young boy sailing toward a castle in the clouds while being guided by a guardian angel in a series of four works following an aging man. He is more famous for a series of works depicting the rise and fall of an empire. For 10 points, name this artist of the *Course of Empire* series.

ANSWER: Thomas **Cole**

Bonuses

1. This branch of science concerns classifying living organisms into different species, and grouping those species into larger groups based on shared physical characteristics. For 10 points each:

[10] Name this field pioneered by Carolus Linnaeus, who introduced the system of binomial nomenclature.

ANSWER: **taxonomy**

[10] Taxonomic classifications greatly rely on informations gathered in this field of study, which researches the evolutionary patterns of different taxonomic groups. The evolutionary branching process can be depicted by a “tree” named for this field.

ANSWER: **phylogenetics** (accept **phylogenetic** tree)

[10] This hypothesis correlates changes in the genetic sequence of organisms with time, helping scientists identify the time elapsed since two species from a common ancestor diverged.

ANSWER: **molecular clock** hypothesis <SC/AT>

2. Many composers throughout history were inspired by native folk melodies. For 10 points each:

[10] Name this English composer who incorporated traditional tunes from his country into his *Fantasia on Greensleeves*. Another of his fantasias is based on a theme of Thomas Tallis.

ANSWER: Ralph **Vaughan Williams**

[10] Tchaikovsky quotes the folk song “In the Field Stood a Birch Tree” in his fourth work of this multi-movement form. Beethoven wrote nine works of this type, the last of which is his “Choral.”

ANSWER: **symphony**

[10] This Czech composer of the *Glagolitic Mass* explored folk melodies, particularly those of brass bands, in his orchestral work *Sinfonietta*.

ANSWER: Leoš **Janáček** (“yah-NAH-check”) <BM>

3. This city is the largest in the Chugoku region of Honshu, but it is unfortunately not known for its museums, schools, or other attractions. For 10 points each:

[10] Name this Japanese city best known for being atom-bombed, along with Nagasaki. The bomb dropped on this city was from an aircraft named for a pilot’s mother, the *Enola Gay*.

ANSWER: **Hiroshima**

[10] This American mission to conquer Japan was never executed because Japan surrendered after the atomic bombings. It included Operation Olympic and Coronet and would have targeted both Kyushu and Honshu.

ANSWER: Operation **Downfall** [prompt on **invasion** of **Japan**]

[10] After the surrender, this Prime Minister tried to commit suicide but was arrested on General Douglas MacArthur’s orders. Before that, he held positions from General of the Kwantung Army to Chief of Staff of Japan’s armed forces.

ANSWER: Hideki **Tojo** <CL>

4. A character in a story from this collection is adopted by a couple who who believes him to be their long-lost son, Nathoo. For 10 points each:

[10] Name this book which features stories such as “Rikki-Tikki-Tavi” and “Toomai of the Elephants.”

ANSWER: *The* **Jungle Book**

[10] This author of *The Jungle Book* also wrote about an orphaned boy who must deliver a message to the British in *Kim*.

ANSWER: Rudyard **Kipling**

[10] Kipling tells the reader that “Yours is the Earth and everything that’s in it” in this inspirational poem addressed to his son. This “hypothetical” poem was written in tribute to the military actions of Leander Starr Jameson.

ANSWER: **If** <SoH>

5. In their neutral state, these elements have 7 valence electrons and very high values for electronegativity. For 10 points each:

[10] Name this group of reactive elements which include fluorine and chlorine.

ANSWER: halogens [accept group 17]

[10] Halogenation reactions often involve these highly reactive compounds with unpaired electrons. Antioxidants play a key role in the body's defense mechanism against these species.

ANSWER: free radicals, [antiprompt on reactive oxygen species]

[10] Radicals can also be used to create an anti-type of product named after this Russian chemist, who also names a rule stating that in addition reactions, hydrogen will bond to the less substituted carbon. Hydroboration-oxidation notably violates his namesake rule.

ANSWER: Markovnikov <BM>

6. This term includes events that can vary from car accidents to copyright infringement. For 10 points each:

[10] Give the term for a civil wrong that unfairly causes someone to suffer loss or harm. Typically they result from negligence which falls short of being labeled "criminal."

ANSWER: tort

[10] Torts are prevalent in this kind of law system which gives weight to the precedent established by earlier case law. It is the law system used in the United States and is usually contrasted from civil law.

ANSWER: common law

[10] This other common law term describes an agreement entered into voluntarily by two parties. One of these requires an offer, acceptance, and an intention to create legal relations.

ANSWER: contract

7. Before the reign of Louis XIV, France underwent a period in which ministers had much stronger influence. For 10 points each:

[10] Name this minister of Louis XIII, who was nearly overthrown during the Day of the Dupes. He centralized power to the monarchy while countering Habsburg forces, leading France into the Thirty Years War allied with the Protestants.

ANSWER: Cardinal Richelieu [accept Armand Jean du Plessis]

[10] After Richelieu's death, the French nobility, allied with peasants and other factions, engaged in two rebellions against the monarchy collectively given this name. It is French for "sling," which rebels used to smash windows.

ANSWER: Fronde

[10] The Fronde targeted this chief minister of France who trained under Richelieu.. He held substantial power in the early period of Louis XIV's reign, long with the regent Anne of Austria.

ANSWER: Cardinal Jules Mazarin [accept Giulio Raimondo Mazzarino]

8. David Tudor performed this piece at its premiere, and signaled its start by closing the piano lid. For 10 points each:

[10] Name this composition in three movements. Its score instructs any performers not to play their instruments for the title duration of time.

ANSWER: 4'33" ("four minutes and thirty-three seconds") [accept pronunciation "four thirty-three"]

[10] 4'33" is a piece by this American experimental composer who helped pioneer the prepared piano. His composition *As Slow as Possible* is scheduled to end in 2640.

ANSWER: John Cage

[10] This is the title of a series of compositions by John Cage, whose instrumentation includes a conch shell and a tin can. The fourth in this series is written for 12 radios.

ANSWER: Imaginary Landscape <LG>

9. Name some things about the importance of the four directions in mythology. For 10 points each:

[10] The Four Symbols of the cardinal directions are members of this country's myth system. Examples include the Black Tortoise, Xuan Wu, and the White Tiger, Baihu.

ANSWER: China

[10] The four winds of the cardinal directions, or the Anemoi in Greek mythology, were ruled by this king of the winds. He once gave a bag of winds to send Odysseus home, which instead drove him off course.

ANSWER: Aeolus

[10] This Titan, a lord of the dawn, also represented the east. He was part of a group of four Titan brothers who represented the directions and fathered Helios, the primordial sun god.

ANSWER: Hyperion <JK>

10. Recent events have sparked a national conversation about police brutality, especially against people of color. For 10 points each:
[10] Riots started in Ferguson, Missouri last year because of the murder of this 18 year old African-American by a white policeman. Because this man was unarmed, protesters commemorated his death with the saying “hands up, don’t shoot.”

ANSWER: Michael Brown

[10] This police officer shot Michael Brown. After being determined not guilty by the St. Louis County grand jury, a new wave of riots broke out in Ferguson and other places in America.

ANSWER: Daniel Wilson

[10] In a different event, the killing of Eric Garner, this district attorney from Staten Island presented evidence to the grand jury. He became the center of national attention after the grand jury declined to pursue charges against the officer who killed Garner.

ANSWER: Daniel Donovan <DG>

11. People from this culture produced some artwork from far ahead of its time, such as the “Mica Hand” depicting an eagle’s claw. For 10 points each:

[10] Name these nomadic agriculturalists, who lived during the Middle Woodland period. This culture made animal effigies out of obsidian, mica, and copper, and conducted long-distance trading throughout the Eastern US.

ANSWER: Hopewell (accept Hopewellian culture, Hopewellian tradition)

[10] Hopewell Native Americans were among a group of peoples in the Eastern United States who built these earthen structures to bury their dead in shapes like snakes, bears, and other animals.

ANSWER: Mounds (accept Mound Builders and the like)

[10] This major Eastern US river basin was home to many Hopewell peoples as well as later Native American tribes like the Natchez and Chickasaw.

ANSWER: Mississippi River <GA>

12. The narrator of this work opens by explaining that he burns 1,369 light bulbs simultaneously with electricity he steals from the Monopolated Light and Power Company. For ten points each:

[10] Name this novel in which the narrator unwillingly participates in the Battle Royal, joins the Brotherhood against Ras the Destroyer, and later impersonates a man named Rinehart.

ANSWER: Invisible Man [do not accept *The Invisible Man*]

[10] This author of *Invisible Man* also wrote “Shadow and Act” and *Going to the Territory*.

ANSWER: Ralph Ellison

[10] The confused narrator of *Invisible Man* spots Tod Clifton on the streets peddling a doll representing this offensive caricature, which Clifton says will “kill your depression and your dispossession.”

ANSWER: Sambo <KX>

13. Newton’s second law states that net force is equal to mass times the time derivative of this quantity. For 10 points each:

[10] Name this kinematic vector quantity which is equal to the change in displacement over change in time.

ANSWER: velocity [do not accept “speed”]

[10] As an object’s velocity increases, its length contracts as a result of this theory. Time dilation is another result of this theory which states that the speed of light is the same in all reference frames.

ANSWER: special theory of relativity [accept STR; prompt on relativity; do not accept “general relativity”]

[10] Similarly to the Lorentz transformation, this transformation relates the position and time of two uniformly-moving frames of reference with respect to one another.

ANSWER: Galilean transformation <BM>

14. The central figure of this Medici-commissioned painting may have been based off of Simonetta Vespucci, a noblewoman whom Lorenzo de Medici's was infatuated with. For 10 points each:

[10] Name this painting that features Chloris clinging onto Zephyr, the god of the west wind. To the right, Hora carries a pink cloak with embroidered flower patterns.

ANSWER: The **Birth of Venus**

[10] The Birth of Venus was a painting by this Early Renaissance artist. He also featured Venus in his *Primavera*, an allegorical representation of spring.

ANSWER: Sandro **Botticelli** (accept Alessandro di Mariano di Vanni **Filipepi**)

[10] Botticelli also created this painting, which features several members of the Medici family as certain biblical figures. It takes place inside a crumbling, ruined house, and Botticelli himself gazes at the viewer in the far right.

ANSWER: **Adoration of the Magi** <AT>

15. This character meets his childhood sweetheart, Annabel Leigh when she visits his family's hotel, and is later traumatized when she dies of typhus. For 10 points each:

[10] Name this character who shoots Clare Quilty, the author of *The Nymph* and the kidnapper of the novel's title figure.

ANSWER: Humbert **Humbert**

[10] Humbert Humbert is the protagonist of *Lolita*, a novel by this author of *The Defense* and the memoir *Speak, Memory*.

ANSWER: Vladimir **Nabokov**

[10] Nabokov wrote this novel which is presented as a 999-line poem split into four cantos, as well as a foreword, commentary, and index by the professor Charles Kinbote, who believes himself to be the exiled king of Zembla.

ANSWER: **Pale Fire** <SoH>

16. This movement sought to find a different way for developing nations to maintain peace without joining the major blocs of the time. For 10 points each:

[10] Name this movement founded on the "initiative with the five," which the 1955 Bandung Conference inspired.

ANSWER: **Non-aligned Movement** or **NAM**

[10] This Egyptian leader was one of the founders of the NAM, and succeeded Naguib as president. He notably nationalized the Suez Canal in 1956, sparking an international incident.

ANSWER: Gamel Abdul **Nasser**

[10] This other leader from the original five was the first president of Ghana, and a prominent supporter of pan-Africanism, before he was overthrown in a 1966 CIA-backed coup.

ANSWER: Kwame **Nkrumah**

17. The protagonist of this film is assigned to kill an insurgent codenamed "Mustafa," and calls his wife Taya in the midst of an intense firefight. For 10 points each:

[10] Name this Clint Eastwood-directed film about the heroic deeds of US soldier Chris Kyle,

ANSWER: **American Sniper**

[10] This actor played Chris Kyle in *American Sniper*. He also voiced Rocket the racoon in *Guardians of the Galaxy* and acted alongside Jennifer Lawrence in *Silver Linings Playbook*.

ANSWER: Bradley **Cooper** (accept **The Coop**)

[10] Eastwood received flak for including this prop, which allegedly destroyed the realism of the film. It is featured in a scene depicting Kyle after he returns from Iraq.

ANSWER: a **fake baby** (accept clear knowledge equivalents) <AT>

18. The presence of a new moon signifies that this occurrence has begun. For 10 points each:

[10] Name this ninth month of the Islamic calendar, where Muslims must fast from dawn until sunset. Immoral activities such as swearing and procrastination are also prohibited.

ANSWER: **Ramadan**

[10] The end of Ramadan is marked by this holiday, which is subsequently also the first day of Shawwal. During this holiday, Muslims engage in a large feast and donate food to the poor.

ANSWER: **Eid al-Fitr** (accept the **Feast of Breaking**, **Sugar Feast**, or **Bayram**)

[10] This night during Ramadan was supposedly the night on which the first verses of the Quran were revealed to Muhammad. During this night, Allah supposedly blesses everyone and angels descend to earth.

ANSWER: **Laylat al-Qadr** (accept **Night of Power**, **Night of Destiny**, **Night of Value**, **Night of Decree**, or **Night of Measures**)
<GA>

19. Stars gradually get heavier as they get older. For 10 points each:

[10] Name these first two elements, which are the main components of stars. These were the only elements that existed in stars prior to stellar nucleosynthesis.

Answer: **hydrogen** and **helium** [accept in either order]

[10] This type of low-mass star is the most common type of star in the Milky Way. Examples include Proxima Centauri and Barnard's star, and they often weigh less than one solar mass.

Answer: **red dwarf** [prompt on **dwarf**]

[10] On the Hertzsprung-Russell diagram, this is the point at which stars leave the main sequence. A red dwarf star does not have one, because it does not have the energy to fuse hydrogen and helium into heavier elements and heat up.

Answer: **turnoff** point <GA>

20. This poet allegedly died while trying to embrace the moon's reflection in the river. For 10 points each:

[10] Name this 8th century Chinese poet, who wrote "The River Merchant's Wife."

ANSWER: **Li Po** or **Li Bai** or **Li Bo**

[10] Some consider this dynasty "The Golden Age of China," partly because of the literary contributions of poets like Li Po and his friend and associate Du Fu. It was largely a period of stability and progress except for the An Lushan Rebellion of 755.

ANSWER: **Tang** Dynasty

[10] One translation of this often anthologized and memorized poem by Li Po begins, "In front of my bed there is bright moonlight / It appears to be frost on the ground."

ANSWER: **Quiet Night Thoughts**

TB. This novel alternates between the Patriarch Ponds and ancient Jerusalem, where Pontius Pilate reluctantly submits to Yeshua Ha-Notsri's execution. For 10 points each:

[10] Name this novel in which Satan, under the disguise of the professor Woland, attempts to expose the vice of the Soviet Union.

ANSWER: **The Master and Margarita**

[10] This Russian author wrote *The Master and Margarita*. In his novel *Heart of a Dog*, Sharik transforms into a man after he receives a human pituitary gland and human testicles.

ANSWER: Mikhail Afanasyevich **Bulgakov**

[10] This character in *The Master and Margarita* is part of Woland's entourage, and plays a game of anthropomorphic chess with Woland. He is an enormous, talking black cat who walks on two legs.

ANSWER: **Behemoth** <AT>