

LOGIC (Lots of Good Interesting Content)

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Packet 6

Tossups

1. This god's forms include the dog-riding Bhairava [BYE-ruh-vuh], who decapitated one of Brahma's heads in response to his arrogance. After the god of love attempted to awake this god, he opened his third eye, incinerating Kama. This god married the daughter of Daksha Prajapati [DAHK-shuh prah-JUH-puh-tee], whose rude behavior led her to self-immolate. This trident-wielding god is served by the (*) bull Nandi. Depictions are used to worship this god's dancer form as "lord of the dance," or *nataraja* [NOT-rahj], and his phallic form, or *lingam*. This god's children include Kartikeya and the elephant-headed Ganesha. For 10 points, name this Hindu God whose consorts include Sati and Parvati, the "destroyer" of the *trimurti*.

ANSWER: Shiva <AN, Mythology>

2. These materials can be classified into one of 230 different space groups. Grain boundaries are interfaces in substances comprised of multiple, microscopic examples of these materials. These materials form in a process which begins with the nucleation around a seed. These materials act as a diffraction grating in a technique where their structure can be determined by firing (*) x-rays through them. Unlike amorphous materials, these solids possess long-range order and can be described by a lattice. Metals and diamond exist as--for 10 points--what type of solid with a regular, repeating arrangement of atoms?

ANSWER: crystals [accept crystalline materials; accept crystal lattices; accept crystallization; prompt on lattices until "lattices" are mentioned; prompt on solids] <GC, Chemistry>

3. The losing side in this battle arguably crossed two Ts simultaneously and included the most heavily armed ship of the line, the *Santísima Trinidad*. During this battle, the *Santa Ana* dueled a ship that led one side's leeward column, the *Royal Sovereign*. The flagship of one side in this battle, the *Bucentaure*, was captured along with its commander, Pierre-Charles (*) Villeneuve [vee-ya-noov]. Before this battle, the winning side's commander signaled "England expects that every man will do his duty." That man was killed aboard the *Victory* during this battle. For 10 points, name this 1805 naval battle where the Franco-Spanish fleet of Napoleon was defeated by the forces of Horatio Nelson.

ANSWER: Battle of Trafalgar <JG, European/British History>

4. Poland's Museum of Modern Art owns a concentration camp made of this material designed by Zbigniew Libera. A 2010 study done by the University of Canterbury concluded that figures made of this material have gotten angrier since they were introduced in 1975. The company that produces this material is also the largest tire manufacturer in the world. This material, whose name comes from a certain language's translation for (*) "play well," is used to make figurines whose first non-yellow coloring was used for depicting Lando Calrissian. This building material is mainly manufactured in Billund, Denmark. For 10 points, name these toy building blocks.

ANSWER: LEGO [or legoes, though plural is still technically "lego"; prompt on acrylonitrile butadiene-styrene (ABS) plastic] <EA, Trash>

5. In “A Room of One’s Own,” Virginia Woolf writes that until *this author’s* day, women in fiction were “seen only in relation to the other sex.” In one of this author’s novels, the protagonist tells Captain Harville that “Men have had every advantage of us in telling their own story.” In addition to creating Anne Elliott in (*) *Persuasion*, this author wrote a novel in which Georgiana is prevented from eloping by her brother, the owner of Pemberley. In that novel by this author, the protagonist discovers Wickham’s devious character in a letter from her eventual fiancé, Mr. Darcy. For 10 points, name this author who wrote about Elizabeth Bennet in *Pride and Prejudice*.

ANSWER: Jane Austen <TB, Long Fiction>

6. This is the largest dimension in which there are more than three regular polytopes. A theorem named for Lagrange states that every number can be written as the sum of this many perfect squares. The smallest non-cyclic group has this number of elements and is usually named for (*) Klein and this number. This is the highest degree of polynomial that can be solved in general, according to the Abel-Ruffini theorem. In base ten, an integer is a multiple of this number if and only if its last two digits form a multiple of this number. For 10 points, identify this smallest composite number, the square of 2.

ANSWER: 4 [or Four] <CT, Mathematics>

7. At the age of 19, Saul Kripke created a form of this field of philosophy, in which accessibility relations hold over possible worlds. For several hundred years, Porphyry’s *Isagoge* was the standard text of instruction in this field. Aristotle’s *Organon* is a collection of his six texts on this field. In the (*) “first-order” form of this field, predicates applied to variables can evaluate to either true or false. A standard argument in this field takes the form, “All A are B,” “C is an A,” therefore “C is B,” and is called the syllogism. For 10 points, name this field of philosophy that studies deductive reasoning.

ANSWER: logic [accept modal logic; accept predicate logic; accept first-order logic] <GC, Philosophy>

8. The title character of one play by this author uses the money from his failed nightclub Walden Pond to start a newspaper which is said to endorse “no one,” though he is later encouraged to support Wally O’Hara. In another of this author’s plays, a woman is told that straightening her hair is “mutilation.” In that play by this author, both George Murchison and Joseph (*) Asagai compete for the affection of Beneatha. Karl Lidner attempts to bribe the Younger family to prevent them from moving to an all-white neighborhood in Chicago in this author’s most famous play. For 10 points, name this author of *The Sign in Sidney Brustein’s Window* and *A Raisin in the Sun*.

ANSWER: Lorraine Hansberry [or Lorraine Vivian Hansberry] <WG, Drama>

9. A painting by this artist that depicts two upright totems is titled *Male and Female* and explores Jung’s [Young’s] idea of the anima and animus. This artist’s early painting *Going West* was heavily influenced by his teacher Thomas Hart Benton, and he was photographed while painting by Hans Namuth. This artist embedded (*) nails and cigarette butts into the canvas of one work, which is titled after a line from *The Tempest*. This artist created *Full Fathom Five* and *Lavender Mist*, though most of his action paintings were left untitled. For 10 points, name this abstract expressionist, whose method of flinging paint onto the canvas earned him the nickname “Jack the Dripper.”

ANSWER: Jackson Pollock [or Paul Jackson Pollock] <DB, Visual Fine Arts>

10. In this state, Senator Ralph Yarborough's opposition to the Southern Manifesto led to him being primaried by a future Secretary of the Treasury. This home state of Lloyd Bentsen was once governed by the leader of the Democrats for Nixon Movement. Another politician from this state attacked an opponent's tax policies as (*) "voodoo economics." This state is the home of the only CIA director to be elected President, and was the site of an event at Dealey Plaza, where governor John Connally was wounded. For 10 points, name this home state of George H.W. Bush, where Lee Harvey Oswald assassinated John F. Kennedy in its city of Dallas.

ANSWER: Texas <AN, American History>

11. The *tanegashima* was a Japanese variant of this commodity popular during the Sengoku period. Samuel Walker ordered 1,000 of these commodities and co-names one variant of them. The usage of beef and pork fat to grease the insides of the Enfield variety of this commodity triggered the (*) Indian Rebellion of 1857. One version of this commodity was said to have "won the West," while Eli Whitney manufactured these goods using interchangeable parts. Samuel Colt mass produced these weapons in the nineteenth century. For 10 points, name these weapons which fire bullets.

ANSWER: guns [ask player to be less specific on any other specific type of gun, such as a rifle] <GP, Ancient/Other History>

12. In the indirect drive method, this process is achieved by firing a laser into a hohlraum, a method utilized at the National Ignition Facility. Muons can catalyze this process by increasing density. This process requires exceeding the Coulomb barrier. The "inertial confinement" method achieves this process by rapidly heating and compressing a (*) deuterium-tritium pellet. This process occurs in the core of stars through the proton-proton chain or the CNO cycle, generating helium nuclei from protons. For 10 points, identify this process in which nuclei are combined to release energy, contrasted with nuclear fission.

ANSWER: nuclear fusion [accept inertial confinement fusion; accept thermonuclear fusion; accept muon-catalyzed fusion; prompt on ICF with "what does ICF stand for?"; do not accept or prompt on "nuclear fission"] <GC, Physics>

13. Due to the construction of the Aswan High Dam, the Temple of Debod was moved to this city, whose KIO Towers were built with a 15 degree slant towards each other. The western part of this city is dominated by the Casa de Campo park. This city is served by the Atocha train station, which contains a memorial to a 2004 terrorist attack, and by (*) Barajas [BAH-rah-hahs] Airport. Sporting venues in this city include Santiago Bernabéu and Las Ventas, which is used for bullfighting. The main public square of this city is the Puerta del Sol, and its Golden Triangle of Art includes the Reina Sofia and Prado museums. For 10 points, name this capital of Spain.

ANSWER: Madrid <JG, Geography>

14. In "Pafko at the Wall," one person with this profession performs the shot heard round the world. That work about people with this profession was later used as the prologue to the novel *Underworld* by Don DeLillo. In a novel about people with this profession, Bump Bailey dies after running into a wall. The protagonist of that novel, who is earlier shot in the stomach by Harriet Bird, uses an object called (*) Wonderboy and is named Roy Hobbs. A poem about people with this profession ends by noting that "there is no joy in Mudville" because the title character "has struck out." For 10 points, name this profession, the subject of *The Natural* and "Casey at the Bat."

ANSWER: baseball players [accept more specific positions] <WG, Long Fiction>

15. A composer from this country wrote *Internet Symphony: 'Eroica'* for the YouTube Symphony Orchestra project. A “flute theme” titled for this country is featured in Paul Hindemith’s *Symphonic Metamorphosis of Themes by Weber*. An instrumentalist from this country played the *Maple Leaf Rag* and “Chopsticks” on *The Tonight Show* in 2019 as a promotion for his album *Piano Book*. Two composers from this country wrote the *Butterfly Lovers* (*) Violin Concerto, which is often played on traditional instruments like the *erhu*. For 10 points, name this home country of pianist Lang Lang and composers Tan Dun and He Zhanhao.

ANSWER: People’s Republic of China [or Zhongguo] <DB, Auditory Fine Arts>

16. The inner epithelial layer of the uterus contains the endometrium and a mucus rich one of these structures. The flux across one of these structures can be calculated using the GHK equation. Particles are filtered through one of these structures in the process of (*) dialysis. Transporter proteins transport particles across one of these structures. A solute imbalance across a selectively permeable one of these structures causes osmosis. A phospholipid bilayer comprises--for 10 points--what sort of structure, which includes a “plasma” one that separates the inside and outside of a cell.

ANSWER: membranes [accept specific types of membranes like mucosal membranes or the plasma membrane or the cell membrane; prompt on phospholipid bilayers] <GC, Biology>

17. One type of performance from this country follows a concept of “beginning, breaking, speeding” and most often consists of five parts, with comedic interludes in between. That style of theater from this country was founded by Zeami. Another form of theater from this home country of the jo-ha-kyū performance type is most well-known for its (*) “love-suicide” plays and is often narrated using jururi. That type of theater from this country derived from a different theater form, whose elements include bright white makeup covering the face. This country is the origin of the puppet drama style called bunraku. For 10 points, name this country, which is also the home of noh and kabuki drama.

ANSWER: Japan [accept Nippon] <EA, Drama>

18. A foundation text for this religion is made up of a text written by Robert Athlyi Rogers, along with a *Royal Parchment Scroll* and Leonard Howell’s *Promise Key*. In order to maintain a life force known as livity, adherents of this religion eat a special vegetarian diet known as I-tal. The Holy Piby is a major text of this religion, whose followers are separated into (*) “mansions” such as Bobo Ashanti. A prayer to Jah is often delivered while members of this religion smoke cannabis. Dreadlocks are often grown by practitioners of, for 10 points, what religion which reveres Haile Selassie and is mostly practiced in Jamaica?

ANSWER: Rastafarianism <AN, Religion>

19. An artwork featuring this group uses a 5 by 4 grid with each space filled by a photograph of a member of the group making a silly face. In a different work, this group stands in blue smocks and spells out a nonsense word in semaphore. 57 cut-out figures appear behind this group, whose members are dressed in multi-colored (*) uniforms, in an artwork displaying their name in flowers below a bass drum. A picture depicting the four members of this group walking across the street outside their recording studio was used as the cover of their penultimate album. For 10 points, name this band behind *Sgt. Pepper’s Lonely Hearts Club Band* and *Abbey Road*.

ANSWER: The Beatles <DB, Other Fine Arts>

20. In this country, Usman dan Fodio established the Sokoto Caliphate during the Fulani War. The term “coup from heaven” was used to refer to the sudden death of this country’s dictator Sani Abacha. Emeka Ojukwu led a breakaway state in this country, where officials executed nine Royal Dutch Shell protestors, including environmentalist (*) Ken Saro-Wiwa. This country fought a civil war with the Igbo state of Biafra, located in an oil-rich river delta in this country. This country’s first conceded election came in 2014, when Goodluck Jonathan was succeeded by Muhammadu Buhari. For 10 points, name this most populous West African country.

ANSWER: Federal Republic of Nigeria <GP, World History>

Bonuses

1. This country's southern expansion was led by General Julio Roca. For 10 points each:

[10] Roca led this country's Conquest of the Desert against the indigenous peoples in its region of Patagonia. Large numbers of European settlers, such as the Welsh, came to the new territories this country acquired.

ANSWER: **Argentina** [accept **Argentine Republic**]

[10] Chile pursued a similar policy of expansion and primarily fought against this native tribe. This native tribe had earlier killed the conquistador Pedro de Valdivia in the 1550s.

ANSWER: **Mapuche**

[10] The Mapuche frequently stole this commodity from both Argentine and Chilean ranchers to exchange for weapons and alcohol. In the American west, this animal was frequently stolen by rustlers.

ANSWER: **cattle** [or **cows**] <GP, World History>

2. For an electric circuit, this quantity is equal to current squared divided by resistance. For 10 points each:

[10] Identify this quantity measured in units of Watts. It is equal to energy transferred per unit time.

ANSWER: **power**

[10] Intensity is equal to power per unit of this quantity. For a region of constant magnetic field, magnetic flux is equal to magnetic field multiplied by this quantity.

ANSWER: **area** [accept **meters-squared**]

[10] For an electromagnetic wave, the power per unit area is given by this vector quantity, symbolized S. It is equal to the electric field crossed with the magnetic field, divided by the permeability of free space.

ANSWER: **Poynting** vector <GC, Physics>

3. Answer some questions about Nobel laureate Kazuo Ishiguro, for 10 points each.

[10] Most of Ishiguro's novels, like *The Buried Giant* and *Never Let Me Go*, are set in this country, where Ishiguro moved to as a kid. Other Nobel Prize winners from this country include John Galsworthy and Winston Churchill.

ANSWER: **United Kingdom** [accept Great **Britain** or **England**]

[10] In *Never Let Me Go*, the main characters Kathy, Ruth, and Tommy all have this characteristic. In the novel, people with this characteristic become "donors" so that their organs can be harvested.

ANSWER: they're **clones**

[10] Ishiguro's novel *The Remains of the Day* follows Stevens, who works for the Lord Darlington as one of these people. P.G. Wodehouse wrote stories that featured Jeeves, a famous one of these people.

ANSWER: **butler** [prompt on **servant**] <EA, Long Fiction>

4. One candidate's plan to implement this policy calls for the cost to be offset by an EU-like Value Added Tax. For 10 points each,

[10] Identify this type of program wherein a regular periodic cash payment is unconditionally delivered to all on an individual basis. Elon Musk tweeted that this policy "will be necessary over time if AI takes over most human jobs."

ANSWER: **Universal Basic Income**

[10] This Asian-American Democratic presidential candidate has made the "Freedom Dividend," a \$1,000-a-month UBI for all adults over 18, the center of his platform. His online supporters are known as his eponymous "gang."

ANSWER: Andrew **Yang**

[10] Andrew Yang cites this state's Permanent Fund, which pays residents a dividend based on oil revenue, as an example of a successful UBI. The fund paid over \$3000 a person in 2008, due to the excess profits tax imposed by this state's then-governor, Sarah Palin.

ANSWER: **Alaska** <DB, Current Events>

5. After being taken to Crete, this woman is given gifts including the dog Laelaps, who can catch any prey. For 10 points each:

[10] Name this Phoenecian princess and namesake of a continent, who is kidnapped by Zeus while in the form of a white bull.

ANSWER: **Europa**

[10] After the dog Laelaps is sent to catch the uncatchable Teumessian one of these animals, both were turned into constellations. In Japan, *kitsune* [kit-soo-nay] are examples of these animals which can have as many as nine tails.

ANSWER: Teumessian **fox** [or nine-tailed **fox**]

[10] Another gift to Europa from Zeus is this giant bronze automaton which was used to protect Crete from invaders and pirates.

ANSWER: **Talos** <WG, Mythology>

6. For 10 points each, answer the following about Holy Week.

[10] This feast day begins Holy Week and commemorates Jesus's entry into Jerusalem. People often celebrate this holiday by waving branches of the namesake trees.

ANSWER: **Palm Sunday** [prompt on **Yew Sunday** or **Branch Sunday**]

[10] The end of Holy Week is commemorated by this holiday, which celebrates the resurrection of Christ from the tomb. The religious side of this holiday has nothing to do with a bunny hiding eggs.

ANSWER: **Easter** Sunday [prompt on **Resurrection Sunday**]

[10] For Maundy Thursday, to celebrate the Last Supper, priests typically perform this action for participants during service. The term Maundy refers to the original Christian practice of performing this action.

ANSWER: **footwashing** [accept any obvious equivalents indicating the **cleaning** of **feet**; accept **pedilavium**; prompt on **washing** or **anointing**] <EA, Religion>

7. Answer some questions about Edward Drinker Cope. For 10 points each:

[10] Cope believed in this man's hypothesis that organisms pass on characteristics acquired through their lifetimes, which was explained using the example of the giraffe's neck. This man also coined the term "invertebrate."

ANSWER: Jean-Baptiste **Lamarck** [or **Lamarckism**]

[10] Although he himself did not come up with it, Cope's namesake rule states that this property of the organisms in a mammalian clade tends to increase as the clade evolves. Cold-blooded organisms with larger values of this property tend to conserve heat well in a phenomenon known as gigantothermy.

ANSWER: **size** [or **mass**; or **volume**; or surface **area**; or **height**]

[10] The increase in size of mammalian evolutionary lineages over time results from this type of selection, which favors one extreme of a phenotype over the other.

ANSWER: **directional** selection <JL, Biology>

8. Though he lived on Standing Rock Reservation, this man went on tour with Buffalo Bill's Wild West Show, giving Annie Oakley the nickname "Little Sure Shot." For 10 points each:

[10] Name this leader of the Hunkpapa Lakota and ally of Crazy Horse. He and his son surrendered to U.S. forces at Fort Buford, which he had attacked years earlier during Red Cloud's War.

ANSWER: **Sitting Bull** [or **Tháthánka Íyotake**]

[10] Before this battle, Sitting Bull had a vision of soldiers falling like grasshoppers into his camp. At this battle, the forces of Sitting Bull and Crazy Horse routed the 7th Cavalry of George Armstrong Custer.

ANSWER: Battle of the **Little Bighorn** [or Battle of the **Greasy Grass**; prompt on **Custer's Last Stand**]

[10] Sitting Bull was killed while being arrested for his ties with this spiritual movement, whose members believed that their *wakan* shirts could stop bullets. Many of its members were killed at the Wounded Knee Massacre.

ANSWER: **Ghost Dance** Movement [or **Nanissáanah**] <JG, American History>

9. This composer's namesake "pizzicato" involves pulling the string so hard that it snaps against the wood of the instrument. For 10 points each:

[10] Name this ethnomusicologist and composer of *Concerto for Orchestra*, who worked with Zoltan Kodaly to collect folk songs from his native Hungary.

ANSWER: Bela **Bartok**

[10] Bartok is also known for this six-volume set of piano etudes, which gets increasingly harder. The 72nd of these etudes is named *Dragons' Dance* and only lasts about 30 seconds.

ANSWER: ***Mikrokosmos***

[10] Bartok's pizzicato is most famously used in his 4th piece for this ensemble. This ensemble features two violins, viola, and cello.

ANSWER: **string quartet** <DB, Auditory Fine Arts>

10. One character from this novel is appointed governor of the fictional island of Barataria by a duke and duchess and rides the donkey Dapple. For 10 points each:

[10] Name this novel, in which the title delusional knight from La Mancha is defeated by the Knight of the White Moon, and mistakes windmills for giants.

ANSWER: ***Don Quixote*** [accept *The Ingenious Gentleman Don Quixote of La Mancha*; accept *El Ingenioso Hidalgo Don Quijote de La Mancha*]

[10] In one story from this collection by the author of *Don Quixote*, a character eats a love potion laced with quince, causing him to believe he is made of glass. In another story from this collection, a man suffering from syphilis witnesses two dogs discussing mankind.

ANSWER: ***Exemplary Novels*** [or ***Novelas Ejemplares***]

[10] This Spanish Golden Age author wrote both the *Exemplary Novels* and *Don Quixote*.

ANSWER: Miguel de **Cervantes** <WG, Short Fiction/Other>

11. This molecule reacts with carboxylic acids to produce methyl esters. For 10 points each:

[10] Identify this smallest alcohol, with formula CH₃OH. Unlike the related ethanol, this molecule is toxic.

ANSWER: **methanol** [or **methvl alcohol**; or **wood alcohol**]

[10] Methanol is toxic because the body oxidizes it to this toxic aldehyde, which is used to preserve dead bodies.

ANSWER: **formaldehyde** [or **CH₂O**]

[10] Similarly, you shouldn't drink this simplest diol, since the body metabolizes it to the toxic oxalic acid.

ANSWER: **ethylene glycol** [or **ethylene diol**] <GC, Chemistry>

12. In 2016, a cable car with an elevation gain of 5250 feet was opened to connect this mountain to the nearby town of Sa Pa, becoming the longest nonstop three-rope cable car in the world. For 10 points each:

[10] Name this mountain peak, known to the local people as "The Giant Tottering Rock." At an elevation of over 10,300 feet above sea level, it is the highest point in Indochina proper.

ANSWER: **Fansipan** [or **Phan Xi Păng**]

[10] Fansipan is located in Lao Cai province in this Southeast Asian country. Major cities in this country include Haiphong, Da Nang, and Hanoi.

ANSWER: **Vietnam**

[10] Although not part of the Indochinese Peninsula, this country's highest point of Hkakabo Razi is the highest point in all of Southeast Asia. This country's capital was abruptly moved to Naypyitaw [nay-pyee-doh] in 2006.

ANSWER: **Myanmar** [accept **Burma**] <Geography, JL>

13. This ethnicity was targeted by riots in Vancouver in 1886. For 10 points each:

[10] Name this Asian ethnicity, which originally came to Canada to mine gold and then work on railroads. Attempts to limit their immigration to Canada included the placing of a head tax in 1885 and an outright ban in 1923.

ANSWER: **Chinese**-Canadians

[10] This other Asian ethnic group also faced discrimination in Canada, with 22,000 of them being placed into internment camps during World War II. A similar policy was enacted against this ethnic group in the United States.

ANSWER: **Japanese**-Canadians

[10] This Liberal prime minister enacted the internment policy of Japanese-Canadians. This longest serving prime minister in Canadian history had his request to dissolve Parliament refused in 1926, sparking a constitutional crisis.

ANSWER: William Lyon Mackenzie **King** <GP, World History>

14. NOTE TO MODERATOR: PLEASE CAREFULLY LOOK OVER THE ANSWERLINES TO THIS BONUS

Answer some questions about the work of sociolinguist William Labov, for 10 points each.

[10] Labov's "gender paradox" says these people are more likely to lead language change from below, despite being more likely to conform to prestige variants when stigma is attached to a certain sound change.

ANSWER: (young) **women** [or any clear-knowledge equivalent about **female** people or **girls**; prompt on young people, kids, children, or teenagers by asking "What type of young people?"]

[10] In *Language in the Inner City*, Labov argues that these people's namesake "Vernacular English" is a well-formed dialect following linguistic rules. One such rule governs use of the habitual "be" in these people's sociolect, as in "Cookie Monster be eating cookies."

ANSWER: **African-Americans** [or **Black** Americans; or **African-American** Vernacular English; or **Black** Vernacular English; prompt on people of color, minorities; or the more offensive colored people; prompt on AAVE or the more offensive Ebonics by asking "With what people is that dialect associated?"]

[10] Labov conducted much of his research in this city, especially its predominantly black western neighborhoods, which adjoin the university where he worked.

ANSWER: **Philadelphia**, Pennsylvania <TB, Social Science>

15. This author read her poem "On the Pulse of Morning" at Bill Clinton's inauguration. For 10 points each:

[10] Name this author, who declared "I am the dream and the hope of the slave" in her poem "Still I Rise." She compared male admirers to a "swarm of honey bees" in her poem "Phenomenal Woman."

ANSWER: Maya **Angelou** [or Marguerite Annie **Johnson**]

[10] Angelou recounts her life story in *I Know Why the Caged Bird Sings* and other books in its series, all of which belong to this genre. This type of book features an author writing about their own lived experience.

ANSWER: **autobiography** [prompt on memoir]

[10] *I Know Why The Caged Bird Sings* takes its title from "Sympathy," a poem by this African-American author. This writer is most famous for his poem "We Wear The Mask."

ANSWER: Paul Laurence **Dunbar** <TB, Non-Epic Poetry>

16. This genre is exemplified by the painting *Old Woman Frying Eggs*. For 10 points each:

[10] Name this Spanish genre of still-lives, typically set in kitchens. A set of paintings titled *The Waterseller of Seville* are also considered to be in this genre.

ANSWER: **bodegón**

[10] The most famous painter of bodegones was this Spanish artist, who depicted the Infanta Margarita surrounded by servants in his painting *Las Meninas*.

ANSWER: Diego **Velazquez**

[10] Velazquez's bodegón *Three Musicians* shares its name with a work by this 20th-century artist, who also referenced Goya's *Third of May, 1808* with his *Massacre in Korea*.

ANSWER: Pablo **Picasso** [or Pablo Diego Jose Francisco de Paula Juan Nepomuceno Crispin Crispiniano Maria Remedios de la Santisima Trinidad Ruiz **Picasso**] <DB, Visual Fine Arts>

17. The last stanza of this poem describes "a king reigned in the east," and ends by claiming that "Mithridates he died old." For 10 points each:

[10] Name this poem, in which the speaker claims that "malt does more than Milton can to justify God's ways to man."

ANSWER: "**Terence, this is Stupid Stuff**" [accept but do not otherwise reveal: A Shropshire Lad **LXII**]

[10] This author of "Terence, this is stupid stuff" wrote about the time a character "won [his] town the race" and was chaired "through the market-place" in his poem "To an Athlete Dying Young."

ANSWER: A.E. **Housman** [or Alfred Edward **Housman**]

[10] Both "Terence, this is Stupid Stuff" and "To an Athlete Dying Young" appear in this Housman poetry collection. It also includes the poems "Is My Team Ploughing?" and "When I Was One-and-Twenty."

ANSWER: A **Shropshire Lad** <WG, Non-Epic Poetry>

18. This group was targeted by the Frame-Breaking Act and claimed to follow a namesake leader, also nicknamed "King Ned." For 10 points each:

[10] Name this group of textile workers, who destroyed technologically advanced automated looms as a form of protest.

ANSWER: **Luddites** [prompt on Ned **Ludd**, King **Ludd**, or General **Ludd**]

[10] The Luddite movement began in Nottingham in this country, where agricultural workers broke new threshing machines during the "Swing Riots" in counties like Sussex and Kent.

ANSWER: **United Kingdom** [or Great **Britain**; or **England**]

[10] The Luddite movement was a response to this general cultural shift in England, which was driven by new machines like James Watt's steam engine and a shift from cottage industries to large-scale factory production.

ANSWER: **Industrial Revolution** <TB, European/British History>

19. This scientist's sister Caroline initially worked as his assistant, but eventually became his collaborator and discovered comets such as 35P/Rigollet. For 10 points each:

[10] Name this scientist, who discovered infrared radiation by measuring the heat produced by the area past the visible spectrum of sunlight passing through a prism.

ANSWER: William **Herschel**

[10] Herschel is best known for discovering this planet, which he first named Georgium sidus. The next such discovery wasn't until 1846, when Le Verrier used classical mechanics to mathematically prove Neptune's existence.

ANSWER: **Uranus**

[10] Herschel published three catalogues of a total of 2,500 of these stellar objects, which he divided into eight classes. In the Messier catalogue, one of these objects has index 1 and is named the "Crab" one of these objects.

ANSWER: **nebulae** [or the Crab **Nebula**] <DB, Other Science>

20. The *Palo Secos*, or dry styles, are the oldest form of this dance, and are accompanied by only voice and a rhythm which would be beaten out on the floor by a wooden cane. For 10 points each:

[10] Name this dance of Andalusian gypsy origin, known for its sweeping arm movements and rhythmic feet stomping, whose music is usually in a 12-beat cycle. Other *palos* of this dance include fandango and malagueña.

ANSWER: **flamenco**

[10] Flamenco dance is usually accompanied by one of these instruments. Spanish composer Joaquín Rodrigo wrote his *Concierto de Aranjuez* for this fretted, six-stringed instrument.

ANSWER: **guitar**

[10] In the most famous part of Manuel de Falla's flamenco ballet *El amor brujo*, Candela performs a "ritual dance" named for this classical element to rid herself of the ghost of her dead husband.

ANSWER: **fire** [accept "Ritual **Fire** Dance" or "Danza ritual del **fuego**"] <DB, Other Fine Arts>