

2014 BELLum Omnium Contra Omnes**Packet 11: Tossups**

1. On the night before a battle, this man dreamt that he was tied to a wheel that plunged into black water full of serpents. This man was conceived at the castle Tintagel after his father disguised himself as Gorlois to sleep with Igraine. Following his last battle, this figure was taken to the Isle of Avalon to recuperate. This king unknowingly slept with his half-sister Morgause to conceive a man who mortally wounded this figure at the Battle of Camlann. This son of Uther Pendragon and father of Mordred married the daughter of King Leodegrance, Guinevere. For 10 points, name this ruler of Camelot who presided over the Round Table and wielded Excalibur.

ANSWER: King **Arthur** Pendragon

2. In one work from this nation, the title character tracks criminals for Constable Farrell and later brutally murders the Healy family. In another novel from this country, Mr. Judd is the sole survivor of a group that includes the title character, who writes to Laura Trevelyan. In addition to *Voss*, another novel from this nation centers around a bet to transport a glass church to Bellingen. That novel is *Oscar and Lucinda*. Amon Goeth is the commandant of Plasow in another novel from this nation, whose title character shelters Polish Jews from the Nazis. For 10 points, name this nation home to Patrick White, Peter Carey, and the author of *Schindler's Ark*, Thomas Keneally.

ANSWER: Commonwealth of **Australia**

3. This man advocated “Meatless Mondays” to ration food while overseeing the US Food Administration during World War I. He supported the “Own Your Own Home” campaign during his tenure as Commerce Secretary to promote home ownership and created the Veterans Administration and the Federal Farm Board. This President promised “a chicken in every pot” in his campaign against Al Smith, and the Bonus Army marched on the Capitol during his presidency. Shantytowns became known as this president’s “villes” during the Great Depression. For 10 points, name this president during the beginning of the Great Depression who was defeated by Franklin Roosevelt in 1932.

ANSWER: Herbert Clark **Hoover**

4. One artist from this movement sculpted household fixtures, including a giant fan and light switches, from soft materials. In addition to Claes Oldenburg, another artist from this movement included a bodybuilder in *Just what is it that makes today's homes so different, so appealing?*. One artist from this movement depicted a blue-haired figure thinking she would “Rather Sink – Than Call Brad For Help” in *Drowning Girl*, and that artist created another work by printing Ben-Day dots, which features a fighter plane in *Whaam!*, by Roy Lichtenstein. For 10 points, name this art movement that depicted mass culture, including Andy Warhol’s *Campbell's Soup Cans* and silkscreens of Marilyn Monroe.

ANSWER: **pop art**

5. In the *Mahakala tantra*, this substance is described as the “perfect medicine.” After the Churning of the Ocean of Milk, this substance was created where drops of the nectar Amrita touched the ground. Yogis of the Shaivite cult often consume this substance as an aid to their *sadhana*, or spiritual practice. The Ethiopian Zion Coptic Church teaches that this substance is the Eucharist, and another religion makes use of it through long vessels called chalices in their “reasoning sessions.” In Hinduism, it is called *bhang* or *ganja*, and is often presented to Shiva as an offering. For 10 points, name this cannabinoid often smoked by Rastafarians, who can now legally do so in Colorado and Washington.

ANSWER: **marijuana** [or **weed**; or **pot**; or **bud**; accept **cannabis** before cannabinoid is mentioned]

6. The sea level highstand during the mid-Cretaceous period can be attributed to this process’s namesake pulse. The Vine-Matthews-Morley hypothesis states that this process causes evidence for Earth’s reversing magnetic field through the appearance of alternating stripes in polarized rock. Robert Dietz’s model of this process assumed that a sliding surface was present at the base of the lithosphere. This process was first described by Harry Hess, and it is caused by the asthenosphere’s convection currents, which propel basaltic magma to the Earth’s surface. For 10 points, name this process responsible for continental drift that creates new oceanic crust at mid-ocean ridges.

ANSWER: **seafloor spreading** [prompt on “**continental drift**” before mentioned]

7. One movement in this suite is said to represent “French women quarrelling violently in the market,” and the third movement depicts children at play in the Tuileries. Another movement portrays the flight of the witch Baba Yaga. That movement, “The Hut on Fowl’s Legs,” precedes the final movement of this suite, a two-part rondo commemorating a structure designed for Tsar Alexander II. This suite opens with a Promenade theme that is restated four times to represent a viewer walking between displays, and it concludes with “The Great Gate of Kiev.” For 10 points, name this fifteen-movement piano suite composed by Modest Mussorgsky.

ANSWER: ***Pictures at an Exhibition: A Remembrance of Viktor Hartmann*** [or ***Tableaux d’une exposition***; or ***Kartinki s výstavki: Vospominániye o Viktore Gártmane***]

8. In a prose poem, this author described his fears of a nuclear attack that would be instigated if his country delivered a Dolphin Class submarine to Israel. Simon Dach hosts an intellectual gathering in this author’s novel *The Meeting at Telgte*. The *Wilhelm Gustloff* sinks at the beginning of another of his novels, which is narrated by Paul Pokriefke. This author of *Crabwalk* wrote a novel in which the title object is gifted to the protagonist on his third birthday. That novel is followed by *Cat and Mouse* and *Dog Years* in this author’s Danzig Trilogy. For ten points, name this German author who chronicled the life of Oskar Matzerath in *The Tin Drum*.

ANSWER: Gunter Wilhelm **Grass**

9. Solving the Laplace equation for a constant potential calculates this quantity. This quantity is calculated as four pi times the permittivity of free space times radius for a sphere, and the reciprocal of this quantity is elastance. This quantity is found by summing the inverse of each individual value when their associated devices are connected in series, while it is summed directly when the devices are in parallel. An early device associated with this quantity is the Leyden jar. This quantity is more commonly found by dividing charge by voltage for a namesake parallel-plate device. For 10 points, name this quantity that measures the ability of a body to store electrical charge.

ANSWER: **capacitance** [prompt on “**C**”; prompt on “**capacitors**”]

10. A large athletic stadium in this city was built in a pit made by bombs and features acrylic glass canopies supported by steel cables. Besides the Olympic Stadium, this city is home to the European patent offices and the Zeiss Planetarium. The Nymphenburg Palace in this city was home to its local rulers, and the *Michaelskirche* in this city is the largest Renaissance church north of the Alps. This city’s *Frauenkirche* features the Devil’s Footprint, and the central square of this city is the *Marienplatz*. A prominent structure in this city was designed to look like a car tire, the BMW Headquarters. For 10 points, name this third largest city in Germany and capital of Bavaria.

ANSWER: **Munich** [or **München**; or **Minga**]

11. Peasants in this novel hold a “skimmity-ride” to embarrass a man who is having an affair, causing a pregnant woman’s death. At the end of this book, Elizabeth-Jane finds a will that only wants that the will’s writer be forgotten. While drunk, the title character makes a deal with the sailor Newsom at the beginning of this novel, but regrets it and forswears drinking for twenty years afterwards. Rain on the day of festivities organized by the title character starts a rivalry with a former business partner, Donald Farfrae. For 10 points, name this novel about Michael Henchard, the administrative head of a certain English town who sells his daughter and wife, by Thomas Hardy.

ANSWER: *The **Mayor of Casterbridge**: The Life and Death of a Man of Character*

12. Differences of this quantity are represented by specific ratios in the partition coefficient. Substances with an infinite value of this quantity in relation to each other are miscible, and the addition of a compound containing the precipitate leads to the decrease of this quantity in the common ion effect. This quantity for a gas in a liquid is proportional to the partial pressure of the gas above the liquid according to Henry’s law. The value of this quantity under normal conditions is exceeded during supersaturation. For solids in liquids, this quantity is usually proportional to temperature. For 10 points, name this measure of how well a substance dissolves in another.

ANSWER: **solubility**

13. In one work, this author noted a rapid adaptation to twentieth century life among the Manus Islanders. Besides writing *New Lives for Old*, this person observed how one group carried their babies in baskets and beat them until they stopped crying; those people were the Mundugumor Islanders. This person disproved the stereotype of primitive people acting like children while living among the people of Tau Island, and asserted that adolescence was formulated based on cultural experiences in *Growing Up in New Guinea*. For 10 points, name this anthropologist who observed the sexual freedom of women on a Pacific island in *Coming of Age in Samoa*.

ANSWER: Margaret **Mead**

14. A structure of this type in Batalha Monastery is surmounted by a gothic-style metal crucifix. One of these structures was the only part of the Saxon Palace not demolished in the destruction of Warsaw. The first modern eternal flame in Europe was lit at a structure of this type at the Arc de Triomphe. Bouquets from British royal weddings are laid at this structure in Westminster Abbey, which was dedicated on Armistice Day, 1920; the American structure of this type was dedicated the following year. For 10 points, name this type of structure, an example of which is the final resting place of “An American Soldier, Known but to God” at Arlington National Cemetery.

ANSWER: **Tombs** of the Unknown Soldier of World War I [or **Tomb** of the Unknown Warrior of World War I; or **monuments for the unknown** soldiers; accept obvious equivalents; prompt on “**monuments**”]

15. CASQ2 is the cardiac form of a protein that can be found in one type of this organelle; that protein is calsequestrin. Lysine, aspartic acid, glutamic acid, and leucine form a retention sequence in this organelle known as KDEL. Vesicles that are leaving this organelle are tagged with the protein COPII. Though not the Golgi apparatus, this organelle can contain flattened areas known as cisternae, and a type of this organelle is continuous with the double membrane of the nucleus. One version of this organelle named for its outer appearance is involved in lipid and carbohydrate metabolism. For 10 points, name this organelle surrounding the nucleus that comes in “smooth” and “rough” varieties.

ANSWER: **endoplasmic reticulum** [or **ER**; accept **sarcoplasmic reticulum** or **SR** before “lysine”]

16. Gabe Newell called this platform’s store a threat to Steam, and it was announced at Computex 2011. Gadgets were removed from this platform, and this product is the first of its kind to implement universal searching from anywhere within an application, true inter-program multitasking, and a built-in file system explorer. USB 3.0 is natively supported on this platform, as is 3D Printing. This platform allows its users to see a graph of file transfer speed, and clicking a monitor’s corner in this operating system allows users to switch between apps and activate a “Charms” bar. For 10 points, name this operating system whose Start screen features live tiles, recently created by Microsoft.

ANSWER: **Windows 8.1** [or **Windows NT 6.2**; or **Windows NT 6.3**; prompt on “Windows” or “Windows NT” or “Windows RT”]

17. After raids by the Chams at this site, one king moved his capital a few miles north of this structure. This structure’s design represents a mythical mountain at the center of the universe, Mount Meru. Despite a war in a neighboring country, Jacqueline Kennedy was hosted by Norodom Sihanouk at this structure. This structure, whose name translates to “City of Temples,” is near the town of Tonle Sap. This structure, which is depicted on the flag of the country in which it is located, was the capital of King Suryavarman II’s Khmer Empire. For 10 points, name this largest religious structure in the world, originally a Hindu temple complex, a Buddhist temple located in Cambodia.

ANSWER: Prasat **Angkor** Wat

18. This author wrote of the Columbia professor Bill Everhart and Wesley Martin, and in another work, the central character recounts a fantasy in which he envisions various creatures gathering near a castle in Lowell to awaken the Great World Snake. Besides *The Sea is My Brother* and *Doctor Sax*, this author wrote a novel in which the narrator remembers climbing the Matterhorn Peak in California with Japhy Ryder. This author of *The Dharma Bums* wrote a work in which the protagonist meets Old Bull Lee in New Orleans. Neal Cassady is fictionalized as Dean Moriarty in that novel, which is narrated by Sal Paradise. For ten points, name this Beat Generation author of *On the Road*.

ANSWER: Jean-Louis “Jack” **Kerouac**

19. This man was honorably discharged from the 18-X Army Reserve program because of broken legs in September 2004. He claimed he needed epilepsy treatment while employed at his most recent job and used the codenames "Verax" and "The TrueHOOHA." This person, one of only ten people to be accused of treason under the Espionage Act, reportedly gave \$250 to Ron Paul. Both Venezuela and Russia offered this man asylum, and news reports from *The Washington Post* and *The Guardian* released details that this man, while working at Booz Allen, leaked about the NSA program PRISM. For 10 points, name this government contractor who released over two million government documents in 2013.

ANSWER: Edward Joseph **Snowden**

20. This polity won the Battle of the Upper Baetis with help from Numidian cavalry under Massinissa. One general from this empire feigned a retreat and outflanked mercenaries at the Battle of Macar River, and that man's son was ambushed by Nero and Salinator and killed at the Battle of the Metaurus River. Another of that man's sons surrounded his enemy with a crescent formation after feigning retreat at the Battle of Cannae. This empire was defeated when Scipio Africanus frightened this empire's elephants at Zama. For 10 points, name this ancient maritime empire in North Africa, who fought in the Punic Wars against Rome, and whose generals included Hannibal.

ANSWER: Ancient Empire of **Carthage** [or **Carthago**; or **Qart-ḥadašt**]

TB. This material is classified into namesake orders that include histosols and aridisols. The first three layers of this substance are labeled O, A, and B, respectively. Those layers are classified as this substance's namesake horizons, which together produce this substance's namesake profile. Most of this material on Earth is younger than the Pleistocene epoch, and cellulose is the most abundant plant residue in this material. Five percent of this material's volume is composed of humus. For 10 points, name this material, comprising the first few feet of the crust, that contains the root systems of plants as well as nutrients needed to support them.

ANSWER: **soil** [or **topsoil**]

Packet 11: Bonuses

1. The Rockwell scale measures this property by creating an indentation in the material being tested. For 10 points each:

[10] This property of a mineral can be determined by a scratch test by observing how easily a sample can be marked by another material. This characteristic is also judged on the Mohs scale.

ANSWER: scratch **hardness**

[10] This quality describes the appearance of a mineral when light strikes its surface. Examples include “vitreous” and “greasy,” while use of “dull” when describing this property means that the mineral exhibits Lambertian reflectance.

ANSWER: **luster**

[10] A mineral exhibits this characteristic when it can be broken along a plane parallel to the face of a sample, producing a flat surface along the break. Feldspar notably exhibits this property.

ANSWER: **cleavage**

2. This philosopher argues that we cannot derive what we “ought” to do from observing what “is.” For 10 points each:

[10] Name this Scottish empiricist who developed the “is-ought” problem and wrote *Dialogues Concerning Natural Religion*, *Enquiry Concerning the Principle of Morals*, and *A Treatise of Human Nature*.

ANSWER: David **Hume**

[10] This work by Hume contains the section “Of Miracles” and supposedly awakened Immanuel Kant from his “dogmatic slumber.” Its two broader sections cover empirical and applied epistemology.

ANSWER: *An **Enquiry Concerning Human Understanding*** [do not accept “*An Essay Concerning Human Understanding*”]

[10] In *An Enquiry Concerning Human Understanding*, Hume describes this scenario, which shows that the mind can conceive of an idea without being previously exposed to it. It involves imagining a certain hue that one has never seen.

ANSWER: missing **shade of blue** [accept obvious equivalents]

3. Answer some questions about nude males in sculpture, for 10 points each:

[10] Name this bronze figure by Rodin that appears in a work of art titled *The Gates of Hell*. It depicts a man with his chin resting on one hand as he performs the title action.

ANSWER: *The **Thinker*** [or *Le **Penseur***]

[10] This sculpture by Myron depicts the title Greek athlete hunched over and about to release the title object. Although the original has been lost, Roman copies of it exist.

ANSWER: ***Discobolus*** [or *The **Discus-thrower***]

[10] This famous statue in the Vatican shows a bearded man and his two sons struggling against many large serpents. It depicts Athena’s curse of the title Trojan priest when he tried to expose the ruse of the Trojan Horse.

ANSWER: ***Laocoön and His Sons*** [or ***Laocoön Group***; or *Gruppo del **Laocoonte***]

4. This functional group may be reacted with osmium tetroxide to form a diol (“die-all”). For 10 points each:

[10] Name this type of molecule characterized by at least one double bond between two carbon atoms, in contrast to alkanes or alkynes.

ANSWER: **alkenes** [or **olefins**]

[10] The double bond in alkenes is this type of bond, caused by the overlap of p orbitals. Unlike sigma bonds, these bonds contain no electron density along the bond’s nodal plane.

ANSWER: **pi** bonds

[10] Alkenes can undergo this process, in which they are treated by a certain element and converted to alkanes using Lindlar’s catalyst. This process is often used to saturate unsaturated fats.

ANSWER: **hydrogenation** [accept forms like **hydrogenate** or **hydrogenating**; prompt on “**hydrogen**” or any answer that mentions “adding **hydrogen**”]

5. This work was preserved by Francisco Ximénez. For 10 points each:

[10] Name this sacred religious text of the Maya, which contains a creation myth in addition to epic stories.

ANSWER: **Popul Vuh**

[10] Perhaps the best-known story from the Popul Vuh is that of the Hero Twins, who are exceptional players of this game.

ANSWER: Mesoamerican **ballgame** [or *juego de pelota*; or *pitz*; or *ollamaliztli*]

[10] The name of this creature references the Big Dipper, and this beast pretended to be the sun and the moon before the Hero Twins shot this bird out of a tree and became the real sun and moon.

ANSWER: **Seven Macaw** [or **Vucub-Caquix**]

6. Scientists are not always right the first time around. For 10 points each:

[10] Ancient physicians after Hippocrates believed in this theory, which held that the human body was made up of four basic substances and sickness was caused by an imbalance in these substances.

ANSWER: **humorism** [or the four **humors**, prompt on the “four **temperaments**”]

[10] Science in Middle Ages Europe is usually thought to consist mainly of this practice, which involved searching for an elixir of life or turning lead to gold. Notable practitioners of this included Isaac Newton and Nicholas Flamel.

ANSWER: **alchemy**

[10] Seventeenth-century European scientists tried to explain fire with the theory of this substance, which allowed things to burn but was consumed in the process. Its existence was later disproven by Antoine Lavoisier.

ANSWER: **phlogistons**

7. Answer the following about discreet warfare in the twentieth century, for 10 points each.

[10] This is the term given to any war in which the main belligerents do not fight each other directly, instead fighting through third parties. Examples of this type of warfare include the Vietnam War and the Second Congo War.

ANSWER: **proxy** warfare [or **proxy** conflict]

[10] This country on the Mosquito Coast was the site of a proxy war through the 1980s, in which the communist Sandinistas, led by Daniel Ortega of the socialist FSLN, overthrew the Somoza regime and his Contras.

ANSWER: Republic of **Nicaragua** [or *República de Nicaragua*]

[10] The United States supplied this organization of seven Afghan tribes with arms to counter the growing Soviet influence in Afghanistan. After the communists lost in 1992, members of this group fought for control of the country.

ANSWER: Seven Party **Mujahideen** Alliance [or Islamic Unity of Afghanistan **Mujahideen**; or **Peshawar Seven**]

8. This endocrine gland has anterior and posterior segments. For 10 points each:

[10] Name this gland in the human body that is connected to the hypothalamus via the infundibular stalk. This gland is responsible for secreting antidiuretic and growth hormone.

ANSWER: **pituitary** gland

[10] Resting above the kidneys, these glands' cortices produce aldosterone, which stimulates the collecting ducts of the kidneys to retain water and ions. The medullae of these glands secrete epinephrine and norepinephrine.

ANSWER: **adrenal** glands

[10] Located in the brain, this gland produces melatonin, levels of which vary daily to regulate the body's circadian rhythms.

ANSWER: **pineal** gland

9. One man from this country commemorated his daughter's death in *Elegy on the Death of Daughter Olga* and the opera *Jenůfa*. For 10 points each:

[10] Name this home country of the composer of a *Sinfonietta* dedicated to this country's armed forces, Leoš Janáček ("YAH-nah-chek"). This country was also home to a man who composed "From [this country's] woods and fields."

ANSWER: Czech Republic [or Česká republika; or Česko; or Čechy; accept Czechoslovakia or Československo; accept Kingdom of Bohemia or České království or Königreich Böhmen or Regnum Bohemiae]

[10] This Czech composer commemorated his daughter's death in a Piano Trio in G minor. He also included "Die Moldau" and "From Bohemia's woods and fields" in his symphonic poem cycle *Má vlast*.

ANSWER: Bedřich Smetana [or Friedrich Smetana]

[10] This other Czech composer commemorated his daughter's death in his *Stabat Mater*. While living in the United States, he composed his Symphony No. 9, *From the New World*.

ANSWER: Antonín Leopold Dvořák

10. This man was the first Irishman to hold his highest political position. For 10 points each:

[10] Name this British Prime Minister who passed the 1832 Reform Act and the Catholic Emancipation Act. He became Prime Minister mostly due to his military success in the Peninsular War and during the Hundred Days.

ANSWER: Arthur Wellesley, 1st Duke of Wellington [accept either underlined name; prompt on "the Iron Duke"]

[10] This successor to Wellesley's second term repealed the Corn Laws in response to the Irish Potato Famine. As Home Secretary, this man created the Metropolitan Police Force of London.

ANSWER: Robert Peel, 2nd Baronet

[10] As Secretary for Education, this other Conservative Party Prime Minister became known as the "milk snatcher." This other Prime Minister began the Falklands War with Argentina and was the first female British Prime Minister.

ANSWER: Margaret Hilda Thatcher, 1st Baroness Thatcher [prompt on "the Iron Lady"]

11. Name some women in the Old Testament, for 10 points each.

[10] Eli thought this barren woman was drunk when she prayed for a son. She later gave birth to Samuel, and praised God, saying that "not by strength does one prevail."

ANSWER: Hannah [or Channah]

[10] This mother of Obed accompanied her mother Naomi to the town of Bethlehem, where she married Boaz. Her son was Jesse, father of David.

ANSWER: Ruth

[10] This only female Judge, who "held court" beneath a palm tree, prophesied that "the Lord hath delivered Sisera into [the] hand" of Barak and brought peace to Israel for forty years preceding the ascent of Gideon.

ANSWER: Deborah

12. The manifesto launching this artistic movement urged artists to "glorify war," "sing the love of danger," and "demolish museums and libraries." For 10 points each:

[10] Name this artistic movement of the early 20th century whose focus on energy and motion is exemplified by Umberto Boccioni's sculpture *Unique Forms of Continuity in Space*.

ANSWER: Futurism [accept Futurismo]

[10] Futurism was started and generally propagated in this country, home to Filippo Marinetti, the author of the *Futurist Manifesto*, as well as Boccioni and painter Giacomo Balla.

ANSWER: Kingdom of Italy [or Regno d'Italia; accept Republic of Italy or Italian Republic or Repubblica italiana]

[10] One of Balla's most prominent Futurist works depicts the "dynamism" of this animal, which is depicted with all four legs, its tail, and its ears in motion, as are the feet of the woman walking alongside it.

ANSWER: dog [accept dachshund but do not accept other breeds]

13. This man was temporarily replaced by Alfred Terry but was later restored his command, albeit under Terry's direct supervision. For 10 points each:

[10] Name this commander of the Seventh United States Cavalry who was defeated by Sitting Bull and killed with his troops at his "last stand" at Little Bighorn.

ANSWER: George Armstrong **Custer**

[10] The Seventh United States Cavalry later massacred followers of this Native American religious revival practice established by Wovoka at Wounded Knee, ending the Indian Wars.

ANSWER: **Ghost Dance** [or **Nanissáanah**]

[10] This 1864 massacre occurred when Colorado militiamen attacked a village of Cheyenne and Arapaho. Because this massacre broke the Treaty of Fort Laramie, Congress was prompted to launch an investigation.

ANSWER: **Sand Creek** Massacre [or **Chivington Massacre**; or Battle of **Sand Creek**]

14. This poem describes "The smiles that win, the tints that glow" of a woman who has "A heart whose love is innocent." For 10 points each:

[10] Name this poem, that describes a person performing the title action "like the night / Of cloudless climes and starry skies."

ANSWER: "**She Walks in Beauty**"

[10] This English Romantic poet of "She Walks in Beauty" also wrote about the travels of a young man in "Childe Harold's Pilgrimage."

ANSWER: Lord **Byron** [or George Gordon Byron, 6th Baron **Byron**; or George Gordon **Noel**, 6th Baron Byron]

[10] This epic poem by Lord Byron describes the title Spanish womanizer who is sent off on a journey by his mother Inez after he has an affair with Donna Julia.

ANSWER: **Don Juan**

15. Answer some questions about a particular race in the 2014 midterm elections, for 10 points each:

[10] This Senate Minority Leader was vocal in his opposition to a proposed flag-burning amendment and fellow Republican John McCain's Bipartisan Campaign Finance Reform Law.

ANSWER: Addison Mitchell "Mitch" **McConnell**, Jr.

[10] Manufacturing executive Matt Bevin will challenge McConnell in this state's Senate Republican primary. McConnell and the other Senator from this state, Rand Paul, have declined to run for governor of this state in 2015.

ANSWER: Commonwealth of **Kentucky**

[10] A music video by Mitch McConnell's campaign called this Kentucky Democratic Senate candidate and current Kentucky Secretary of State a "left wing mime" and claimed she was "not ready for primetime."

ANSWER: Alison Case Lundergan **Grimes**

16. The total mechanical energy of these is proportional to the square of their amplitudes. For 10 points each:

[10] Name these objects that include springs and pendulums, which experience a restoring force proportional to their displacement from equilibrium. The damping coefficient is used in deviations from these ideal systems.

ANSWER: **simple harmonic oscillators** [or **SHOs**]

[10] This law states that the force required to compress a spring is directly proportional to the length it is displaced.

ANSWER: **Hooke's** law [prompt on "**spring equation**"]

[10] The change in elongation of a spring is determined by this constant of proportionality, symbolized E , which is calculated as the ratio of stress to strain.

ANSWER: **Young's modulus** [or **tensile modulus**; or **elastic modulus**]

17. This figure criticizes the corruption of the Church, saying that a “bird rests in [the preacher’s] cowl.” For 10 points each:

[10] Name this allegorical woman who lives in the Empyrean and takes over Virgil’s role as guide to heaven in *The Divine Comedy*.

ANSWER: **Beatrice** [or *Beatrice*, pronounced “beh-ah-TREE-che”]

[10] Beatrice was created by this Florentine author, who described a three-headed Satan chewing on the heads of Brutus, Cassius, and Judas in *Inferno*.

ANSWER: **Dante Alighieri** [accept either underlined name]

[10] When questioned by St. James, Beatrice claims that “no child of the Church Militant... has more [of *this* quality]” than does Dante. It is one of the three cardinal virtues represented in the Eighth Sphere, along with Faith and Love.

ANSWER: **hope** [or *speranza*]

18. For 10 points each, answer these questions about knightly orders.

[10] This order broke off from the Knights Hospitaller, and had a major influence in Prussia after Frederick II’s Gold Bull of Rimini until their defeat at the hands of Polish-Lithuanian troops at the Battle of Tannenberg.

ANSWER: **Teutonic** Knights [or Order of Brothers of the **German House of Saint Mary** in Jerusalem; or *Orden der Brüder vom Deutschen Haus St. Mariens in Jerusalem*; or *Ordo domus Sanctæ Mariæ Theutonicorum Hierosolymitanorum*; or **German Order**; or **Deutscher Orden**; or **Deutschherrenorden**; or **Deutschritterorden**]

[10] The Knights Hospitaller of St. John made this island their base after it was captured by Fulkes de Villaret. Arab merchants had previously dismantled the Colossus of Helios at this location.

ANSWER: **Rhodes** [or **Ródos**]

[10] Members of this order initially stationed themselves at Al-Aqsa Mosque in Jerusalem. This order was dissolved in the early 14th century by Pope Clement V after accusations of fraud and heresy from King Philip IV of France.

ANSWER: Knights **Templar** [or **Templars**; or **Templiers**; or **Poor Fellow-Soldiers of Christ and of the Temple of Solomon**; or *Pauperes commilitones Christi Templique Salomonici*; or **Order of the Temple**; or **Ordre du Temple**]

19. This character memorizes *The Complete Works of William Shakespeare* on the Reservation. For 10 points each:

[10] Name this son of Linda who enters the World State with the alpha Bernard Marx. Lenina attempts to seduce this character, who hangs himself at the end of the novel in which he appears.

ANSWER: **John** the Savage [prompt on “the **Savage**”]

[10] John the Savage appears in *Brave New World*, a novel by this British author of *Eyeless in Gaza* and *Point Counter Point*. This author also wrote of Denis Stone at the title estate in *Crome Yellow*.

ANSWER: Aldous Leonard **Huxley**

[10] The current year in *Brave New World* is marked in relation to the death of this figure. Citizens of the World State worship this American founder of a motor company that introduced the Model T.

ANSWER: Henry **Ford**

20. Before being taken to an insane asylum, the protagonist of this work laments, “I have always depended on the kindness of strangers.” For 10 points each.

[10] Name this play that follows the tragedy of Blanche DuBois, a Southern belle who is raped by her brother-in-law, Stanley Kowalski.

ANSWER: *A **Streetcar Named Desire***

[10] This American playwright wrote *A Streetcar Named Desire*. He also wrote the play *The Glass Menagerie* and described Brick and Big Daddy’s relationship in *Cat on a Hot Tin Roof*.

ANSWER: Thomas Lanier “Tennessee” **Williams** III

[10] This Tennessee Williams play set in Mexico describes Hannah Jelkes staying at a hotel owned by Maxine Faulk, a friend of the ex-minister Reverend T. Lawrence Shannon.

ANSWER: *The **Night of the Iguana***