



2016 Washington/Hickman Academic Questionfest (WHAQ)

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Trindade) Teams

Packet 10

Tossups

1. Though this man was accurate in his prediction of complementarity DNA replication, his triple helical model for DNA was shortly disproved. Beyond being a developer of the idea of resonance, this man devised the orbital hybridization model, and helped establish the continuum of bonding from ionic to covalent. This man received criticism for his advocacy for(*) megadoses of vitamin C. His famous namesake scale ranges from 0.7 to 4.0. For 10 points, name this Nobel Prize-winning chemist whose work *The Nature of the Chemical Bond* introduced the concept of electronegativity.

ANSWER: Linus Pauling <Alex Harmata/ed. David Dennis>

2. A member of this family acquired Styria after defeating Ottokar II of Bohemia at Marchfeld. A king from this dynasty put down the Revolt of the Comuneros after his mother, Joanna the Mad, was made their queen. A member of this dynasty was assassinated by the Black Hand member(*) Gavrilo Princip. This family included the Holy Roman Emperors Rudolf I and Charles V. An empress from this dynasty lost Silesia during the Seven Years' War. This dynasty included the Archduke Franz Ferdinand and Maria Theresa. For 10 points, name this royal house that ruled Austria until World War I.

ANSWER: the Habsburgs [or the House of Habsburg; or the Hapsburg Dynasty; or the House of Hapsburg] <Cole Phinney>/<ed. Jacob>

3. This man's mother, "Madame Mere," ("MARE") was placed in a painting depicting this man despite not attending the event it depicts. This man was depicted touching the bare chest of a soldier in a painting by Antoine-Jean Gros that shows him "Visiting the Plague Victims of Jaffa." This leader's name, along with Hannibal and Charlemagne, are carved onto two rocks in the bottom left of an equestrian(*) portrait of this man. This emperor's "coronation" and his crossing of the Alps were depicted by Jacques-Louis David. For 10 points, name this French Emperor whom David painted crowning his wife Josephine.

ANSWER: Napoleon Bonaparte [Napoleon I; or Napoleone Buonaparte] <Jacob O'Rourke>

4. A painter in this novel uses another character as a model for Thomas Aquinas in order to draw a sketch of this novel's protagonist. A banker in this novel is blackmailed by John Raffles, his former business partner, for hiding the existence of a poet who appears in this novel. A clergyman in this novel dies before he can complete his book *The(*) Key to All Mythologies*. That character in this novel, Edward Casaubon, threatens to disinherit his wife if she marries Will Ladislaw. For 10 points, name this George Eliot novel, a "study of provincial life" that centers on Dorothea Brooke.

ANSWER: Middlemarch [Middlemarch: a Study of Provincial Life] <Carrie Derner>/<ed. Jacob>

5. A practitioner of this discipline developed the grand theory to argue that Talcott Parsons was not concerned with concrete effects on everyday life. The man who started this discipline advocated for a Religion of Humanity. An early practitioner of this discipline coined the term "anomie" while discussing the egotistic, altruistic, and fatalistic types of(*) suicide. Practitioners of this discipline include C. Wright Mills and Emile Durkheim, and its name was coined by Auguste Comte. For 10 points, name this discipline which studies human society.

ANSWER: Sociology <Jacob O'Rourke>

6. In the Yazidi ("yuh-zee-dee") Black Book's retelling of this event, it occurs twice rather than once. Another religion's version of this event says that the survivors ended up on Mount Judi. A survivor of this event cursed his youngest son Ham for seeing him naked after planting a vineyard and getting drunk. This event ends after God sets a(*) rainbow in the sky to symbolize a covenant with humanity. The preparations for this event begin with the acquisition of two of every unclean animal. For 10 points, name this event in Genesis which Noah and his family use an ark to survive.

ANSWER: the Biblical Flood [or the Deluge; or Noah's flood; or Noah surviving the flood] <Spencer Johnson>/<ed. Jacob>

7. Rouleaux ("roo-LOW") are stacks of these entities formed when their normal surface charge is neutralized by excess proteins such as fibrinogen ("fi-BRIN-oh-jen"), causing these entities to fail to repel each other. These entities' high surface expression of CD47 protects them from phagocytosis ("fay-go-si-TOH-sis") in the(*) liver and spleen. These entities' shape allows them to accommodate space for hemoglobin; and these are the only mammalian cells that lack nuclei. For 10 points, name these cells that carry oxygen through the cardiovascular system.

ANSWER: Red blood cells [or RBCs; or erythrocytes] <Wenzer Qin/ed. David Dennis>

8. This man lost the only case he argued before the Supreme Court, *Ware v. Hylton*. In *Barron v. Baltimore*, he wrote that the Bill of Rights only applied to the federal government and not to the states. He upheld national supremacy in *Cohens v. Virginia* and argued that the Federal government could create a national bank in(*) *McCulloch v. Maryland*. After *Worcester v. Georgia*, Andrew Jackson perhaps apocryphally said, "[This man] has made his ruling, let him enforce it." For 10 points, name this Chief Justice who articulated the idea of judicial review in *Marbury v. Madison*.

ANSWER: John Marshall <Owen Pasley>/<ed. Sean>/<ed. Jacob>

9. Every verse of a song by this rapper begins with the statement “I’m the biggest hypocrite of 2015.” This rapper sampled Ahmad Lewis’ “We Want the Funk” near the end of a song named for the protagonist of an Alex Haley novel. This rapper proclaimed “I recognize you’re looking at me for the pay cut” in a song that’s become a rallying cry for the Black Lives Matter movement. This rapper’s third studio album included “The(*) Blacker the Berry,” “King Kunta” and “Alright.” For 10 points, name this rapper of the albums *good kid m.A.A.d* (“mad”) *city* and *To Pimp a Butterfly*.

ANSWER: Kendrick Lamar [K-Dot; or King Kendrick; or Kendrick Lamar Duckworth] <Joe Stitz>/<ed. Jacob>

10. In this novel, the meaning of “tomorrow” is told to the protagonist by Ricky. In a part of this novel, the main characters see a performance by the blind jazz pianist George Shearing. Remi Boncoeur arranges for the protagonist of this novel to get a job as a night watchman. A main character of this novel is nicknamed the “Holy Goof.” This novel was written on a giant(*) scroll over a three week period, and its character of Carlo Marx represents Allen Ginsberg. For 10 points, name this novel by Jack Kerouac featuring Sal Paradise and Dean Moriarty.

ANSWER: On the Road <Joe Stitz>/<ed. Jacob>

11. An AFL-CIO convention resolution called this law “highly disruptive” and leaders of the Teamsters Union sent letters arguing that it would “shatter our hard earned benefits” to Harry Reid and Nancy Pelosi. One legal challenge to this law ended when the Supreme Court ruled 6-3 in *King v. Burwell* that its(*) federal subsidies clause is legal. For 10 points name this signature law that was erroneously claimed to include “Death Panels.”

ANSWER: The Patient Protection and Affordable Care Act [or Obamacare] <Dinis/ed. Dennis>

12. A character in this novel gains the ability to see through disguises after he gains a “fiery-eyes golden-gaze” from being cooked in a crucible for forty-nine days. A character in this novel is trapped under a mountain for 500 years after peeing on the hand of the Buddha. This novel, which is one of the(*) Four Great Classical Novels, focuses on a group that receives Buddhist scriptures from Vulture Peak. For 10 points, name this Chinese novel where the Monkey King, Sun Wukong, accompanies Xuanzang (“Shoo-wen-zahng”) on a trip to India.

ANSWER: Journey to the West [or Xi You Ji (“Shee-yo-jee”); or Hsi-yu chi (“Shee-yo-jee”); or Monkey until “Monkey King” is read] <Wener Qin>/<ed. Jacob>

13. Those amongst these bodies which have a retrograde orbit are known as the Norse group. Three of these objects are named after the daughters of Alcyoneus (“al-sahy-uh-nyoos”). Those objects are Anthe, Pallene, and Methone. The third-largest of these celestial objects is the largest known one in the solar system to not be in hydrostatic equilibrium. The largest one of these celestial objects features lakes made of hydrocarbons. That one of these entities has a swirling cloud of hydrogen cyanide gas centered at its south pole along with a(*) nitrogen rich atmosphere. These sixty-two objects orbit a planet which also has the most extensive ring system in the solar system. For 10 points, name these celestial objects which include Mimas, Tethys (“tee-this”), Enceladus (“en-sel-uh-duhs”), and Titan.

ANSWER: moons of Saturn [prompt on moon(s)] <David Dennis>/< ed. Jake Sundberg>

14. The Argan plant, which produces a nut-scented fruit, is endemic to this mountain range’s Sous Valley. A series of saltwater lakes including Chott Ech Chergui (“shot-etch-sheer-goo-EE”) in the Hodna region of this mountain range separates its Amour subrange from its coastal Tell subrange. South of this range lies the Great Western(*) Erg, and the Rif is a northwest offshoot of this range. The cities of Fes and Marrakesh are in the foothills of this range of Morocco, as is most of northern Algeria. For 10 points, name these mountains of North Africa named for a Titan who held up the sky.

ANSWER: Atlas Mountains <Alex Harmata>/<ed. Chris Chiego>

15. During the first of these conflicts, a bridge called a *corvus* was used by the winning side at the Battle of Mylae. In the second of these conflicts, the head of a general was thrown into his brother’s camp by Claudius Nero following the Battle of the Metaurus River. Before the last of these conflicts started, Cato the Elder ended every Senate speech by declaring that the enemy(*) “must be destroyed.” During the second of these wars, Scipio Africanus won the Battle of Zama, where he defeated Hannibal. For 10 points, name this series of three wars between Rome and Carthage.

ANSWER: The Punic Wars [or the Carthaginian Wars before “Carthage” is mentioned;” or Wars between Rome and Carthage before “Rome” is mentioned] <Dinis Trindade>/<ed. Jacob>

16. One common variant of this force is the subject of the inconsistencies described by the Painlève paradoxes. The “dry” form of this phenomenon is described by Amonton's law. One law for this force is less accurate for semi-soft surfaces such as rubber. One form of this phenomenon can be explained using thermodynamics by noting that work must be done to alter the surface on which that(*) “kinetic” variety of this phenomenon takes place. It's not an electric force, but this force can be described by a law named for Coulomb. The threshold of motion is characterized by the coefficient of the “static” variety of this phenomenon. For 10 points, name this force which is used to describe resistance of motion.

ANSWER: friction [or word forms, such as frictional] <David Dennis>/<ed. Jake Sundberg>

17. According to the *Bibliotheca* (“bib-lee-uh-thee-kuh”) of Pseudo-Apollodorus, this man had to pray to his father in order to defeat the brothers Bergion and Albion, which earned him the nickname of “the Kneeler.” After throwing Iphitus (“if-i-tuhs”) off the walls of Tiryns (“tir-inz”), this man was forced to serve Omphale (“Ohm-fal-i”). This man’s toe is repeatedly pinched by a crab during a fight where he is assisted by his nephew Iolaus. This man obtained the cattle of Geryon (“gerien”), which was the(*) tenth task given to him by King Eurystheus (“yoo-ris-thee-uhs”). For 10 points, name this Greek hero who completed Twelve Labors, which included killing the Hydra.

ANSWER: Heracles [or Hercules] <Joe Stitz>/<ed. Jacob>

18. The title character of a poem by this author is told by his prior that “your business is to paint the souls of man.” The speaker of a poem by this author notes that “God has not said a word” after strangling his lover with her own hair. In his most famous work, this poet of(*) “Fra Lippo Lippi” wrote of a host showing his guest a bronze statue of Neptune cast by Claus of Innsbruck. That poem by this author centers on a woman painted by Fra Pandolf, who has “a heart, too soon made glad.” For 10 points, name this British poet of “Porphyria’s (“por-FEER-ee-ah’s”) Lover” and “My Last Duchess.”

ANSWER: Robert Browning <Joe Stitz>/<ed. Jacob>

19. The male lead of this work elopes with the title character and a band of smugglers after attacking his superior officer, Zuniga. That man in this work eventually returns home when he hears that his mother is seriously ill, while the title character(*) abandons him for a different man, who sings “Votre toast.” One of this opera’s most well known arias starts out by saying “love is a rebellious bird”; that is this opera’s “Habanera”. For 10 points, identify this Georges Bizet opera about a sassy Spanish gypsy.

ANSWER: Carmen <Wenzer Qin/ed. David Dennis>

20. This country defended the city of Harrar while it fought an eastern neighbor in the Ogaden War. A government in this modern-day country was led by Tafari Benti and Mengitsu. This country, which was ruled by the Marxist Derg military junta, defeated(*) Italy at the Battle of Adowa while it was led by Emperor Menelik II. Benito Mussolini conquered this country during the rule of its last emperor, Haile Selassie. For 10 points, name this country on the Horn of Africa, whose capital is Addis Ababa.

ANSWER: Ethiopia [Federal Democratic Republic of Ethiopia; or Ityop’iya; or YeEtiyop’iya; or YeEtop’iya] <Cole Phinney>/<ed. Jacob>

Tiebreaker

This quantity is reduced in the hot chocolate effect due to bubbles formed by adding fine powders to liquids. Approaching this value causes the Prandtl-Glauert (“pran-tel glaw-ert”) transformation to have a singularity. This quantity in general equals the square root of the bulk modulus over density. Pierre Gassendi (“ga-sahn-dee”) attempted to calculate this quantity using cannon fire. When this quantity is(*) exceeded, a shock wave occurs, which gives rise to a sonic boom. This quantity is equal to Mach one. For 10 points, name this quantity equal to about 343 meters per second in air.

ANSWER: speed of sound [or Mach One until it is read] <David Dennis>

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Bonuses

1. NOTE TO MODERATOR: Do not reveal the alternate answer to the first part of this bonus unless a team gives it. Thanks!

After his mother Nandi died, this ruler forbade the planting of crops and the use of milk during a year of mourning. For 10 points each:

[10] Name this man, whose military reform of his people included the introduction of the “Buffalo Horns” formation and the iklwa short spear.

ANSWER: **Shaka** [**Shaka** Zulu; or **Shaka** kaSenzangakhona]

[10] Shaka was the founder of this kingdom in modern-day South Africa. This empire fought a namesake 1870s war with the British that included the Battle of Isandlwana.

ANSWER: **Zulu** Kingdom [or **Zulu** Empire; or ama**Zulu**]

[10] This battle of the Anglo-Zulu War occurred immediately after Isandlwana. During this battle, 150 British soldiers defeated over 3,000 Zulu warriors at the namesake mission station.

ANSWER: Battle of **Rorke’s Drift** [or Defence of **Rorke’s Drift**] <Cole Phinney>/<ed. Jacob>

2. For 10 points each, answer the following about Chicago in American literature:

[10] A crowd chants “CHICAGO WILL BE OURS!” at the end of this novel. This Upton Sinclair novel centers on Jurgus Rudkus and exposes the gruesome details of the meatpacking industry.

ANSWER: *The **Jungle***

[10] This poet of “The Grass” and “The Fog” called Chicago the “Stacker of Wheat” and “Hog Butcher for the world” in a poem named for the city.

ANSWER: Carl **Sandburg**

[10] Chicago native Gwendolyn Brooks wrote this poem, whose title group of seven pool players claims that they “lurk late,” “strike straight,” and “die soon.”

ANSWER: “**We Real Cool**” <Carrie Derner>/<ed. Jacob>

3. Depending on their agility and timbre, they can be classified as *coloratura*, *lyric*, *dramatic*, and *spinto*, among other types. For 10 points each:

[10] Name this highest vocal range, exemplified by singers such as Joan Sutherland, Renee Fleming, and Maria Callas.

ANSWER: **Sopranos**

[10] This 18th century Italian male soprano was considered one of the greatest singers in the history of opera. He was castrated at a young age and named court musician of King Philip V.

ANSWER: **Farinelli** [or Carlo **Broschi**]

[10] In the film, *Farinelli*, which is based on the castrato’s life, he sings “Lascia Ch’io Pianga” (“**LAH-sha kee-oh pi-AHN-ga**”), an aria from this composer’s opera, *Rinaldo*. Other pieces by this composer include *Music for Royal Fireworks* and *Messiah*.

ANSWER: George Frideric **Handel** <Wenzer Qin/ed. David Dennis>

4. This being was fed by the primordial cow Audumla. For 10 points each:

[10] Name this primordial being, who was the ancestor of the giants. This giant's body was used by the sons of Bor, including Vili and Ve, to create the universe.

ANSWER: Ymir [or Aurgelmir; or Brimir; or Bláinn]

[10] With his brothers Vili and Ve, this god killed Ymir. This "All-Father" was the chief of the Norse pantheon.

ANSWER: Odin [or Ooinn; or Woden; or Wodan; or Wuotan; or Wotan]

[10] While seeking knowledge, Odin sacrificed one of these body parts to drink from the Well of Mimir.

ANSWER: eyes [or eyeballs] <Dinis Trindade>/<ed. Jacob>

5. This equation describes the quantum state of a system of one or more particles and encodes information about the system's measurable quantities. For 10 points each:

[10] Name this function, often symbolized with the Greek letter psi.

ANSWER: wave functions

[10] The time-dependent version of this eponymous equation describes how a system's wave function evolves over time. It is named after a physicist who also put forward a thought experiment involving a cat.

ANSWER: (time-dependent) Schrodinger ("shroh-ding-er") equation

[10] The wave function for this system is a plane wave with a definite momentum. This system's potential energy is constant.

ANSWER: free particle <Wenzer Qin>/<ed. Seth Ebner>

6. For 10 points each, answer the following questions about a landmark Supreme Court case.

[10] In this 1965 case from Connecticut, the court argued that the U.S. Constitution protects marital privacy against state laws prohibiting counseling or other services related to birth control.

ANSWER: Griswold v. *Connecticut*

[10] This Supreme Court justice based his majority opinion in *Griswold* on the ideas of emanations and penumbras. He also has authored the most opinions in the history of the Supreme Court.

ANSWER: William O. Douglas [William Orville Douglas]

[10] The arguments put forth in *Griswold* v. *Connecticut* influenced the decision in this 1973 case arising from Texas which established a woman's right to abortion.

ANSWER: Roe v. *Wade* <Diana Harmata>/<ed. Sean>/<ed. Jacob>

7. A character in this play was once a king named Tereus but was transformed into a hoopoe, one of this play's title creatures. For 10 points each:

[10] Name this play in which Pisthetaerus and Euelpides convince the title characters to build a kingdom in the sky called Cloudcuckooland.

ANSWER: *The* Birds [or Ornithes]

[10] *The Birds* was written by this Ancient Greek playwright of *The Frogs* and *Lysistrata*.

ANSWER: Aristophanes

[10] Aristophanes wrote in the "old" form of this genre, which with tragedy and satyr plays made up the three major genres of Ancient Greek plays.

ANSWER: comedy [or Old Comedy; or New Comedy] <Carrie Derner>/<ed. Jacob>

8. Dorothea Lange took a photograph showing two children leaning against Florence Owens Thompson during this period of U.S. history. For 10 points each:

[10] Name this period of U.S. history, during which Lange took the photo *Migrant Mother*. Photos from this period captured the devastation caused by the Dust Bowl.

ANSWER: The **Great Depression**

[10] With her husband Erskine Caldwell, this photographer and original staff member of *Life* magazine documented the conditions of sharecroppers in the book *You Have Seen Their Faces*.

ANSWER: Margaret **Bourke-White**

[10] Margaret Bourke-White took a photograph of this man at his spinning wheel. That photograph depicts this man hours before his assassination by Nathuram Godse in 1948.

ANSWER: Mohandas **Gandhi** [Mohandas Karamchand **Gandhi**; or Mahatma **Gandhi**] <Cole Phinney>/<ed. Jacob>

9. It can be extracted from the bark of the white willow tree. For 10 points each:

[10] Name this beta-hydroxy acid that is known for its abilities to ease pain and exfoliate the skin. It was first isolated by Felix Hoffman and often used in treating acne.

ANSWER: **salicylic acid**

[10] This commonly used anti-inflammatory and pain-relieving drug is a derivative of salicylic acid. It is often prescribed as a blood thinner, and children using this drug after a viral infection risk Reye's syndrome.

ANSWER: **Aspirin**

[10] Relatives of this vitamin, called retinoids, such as adapalene and tretinoin, can be found in prescription creams for the treatment of acne. Beta-carotene is a precursor of this vitamin.

ANSWER: vitamin **A** <Alex Harmata/ed. David Dennis>

10. Mommy always told you not to skip breakfast, and she was right. For 10 points each:

[10] This cereal company, with headquarters in St. Louis, produces Cocoa Pebbles, Honey Bunches of Oats, and Raisin Bran.

ANSWER: **Post** Holdings [or **Post** Cereals]

[10] With a virtual monopoly over the middle school diet, this company produces the cereals Reese's Puffs, Cheerios, and Lucky Charms. They also own Totino's, Pillsbury, and Old El Paso.

ANSWER: **General Mills**

[10] This General Mills cereal was taken off the US market in 2006, but was brought back in 2015. During the hiatus, fanatics of this non-cinnamon cereal sought it in Canada.

ANSWER: **French Toast Crunch** <Alex Harmata>/<ed. Sean>/<ed. Jacob>

11. Several highly fatal diseases have been linked to bats. For 10 points each:

[10] This common zoonotic viral disease leads to hydrophobia and inflammation of the brain. One of its characteristic signs is foaming at the mouth.

ANSWER: **Rabies**

[10] Fruit bats of the Pteropodidae family are considered a reservoir for this virus named for a river in the DRC which causes symptoms resembling Marburg hemorrhagic fever.

ANSWER: **Ebola** virus

[10] Chinese horseshoe bats were found to be the carriers of the coronavirus that causes this disease related to MERS. This respiratory disease had a near pandemic in late 2002.

ANSWER: **SARS** [or **severe acute respiratory syndrome**] <David Dennis>

12. Answer the following about the medieval Scholasticism movement. For 10 points each:

[10] An English Franciscan member of the Scholasticism movement proposed this idea, which argues that, all else being equal, the simplest solution should be considered the truest.

ANSWER: **Occam's Razor** [or William of **Ockham's Razor**; or **law** of **parsimony**; or **law** of **economy**]

[10] This Italian philosopher and Doctor of the Church updated Augustine's definition of just war and attempted to justify all of Catholic faith using reason in *Summa Theologica*.

ANSWER: Thomas **Aquinas** [Saint Thomas **Aquinas**; or San Tomasso d'**Aquino**; prompt on Doctor **Angelicus**; prompt on Doctor **Communis**; prompt on Doctor **Universalis**]

[10] Aquinas included the "unmoved mover" argument while presenting his Five Ways to resolve this philosophical problem. St. Anselm's ontological argument attempted to resolve this problem.

ANSWER: the **existence** of **God** [or word forms, such as **God** being **real**; or questions such as **does God Exist?**] <Wenzer Qin>/<ed. Jacob>

13. As a result of this policy, hundreds of political prisoners and dissidents were released from prison after Anatoly Marchenko died conducting a hunger strike. For 10 points each:

[10] This policy, which translates to "publicity" or "openness," called for realistic discussion of economic and political truths. It was coupled with perestroika ("**per-uh-stroi-kuh**"), which means restructuring.

ANSWER: **Glasnost** ("**glaz-nost**")

[10] This last General Secretary of the Soviet Union introduced the reforms of glasnost and perestroika. He also withdrew Soviet troops from Afghanistan.

ANSWER: Mikhail **Gorbachev** [Mikhail Sergeyevich **Gorbachev**]

[10] During the 1991 coup attempt against Gorbachev, Boris Yeltsin stood on top of one of these vehicles in front of the parliament building to give a speech against the coup.

ANSWER: A **tank** [or **tanks**] <Dinis Trindade>/<ed. Jacob>

14. This novel begins with the murder of the Clutter family. For 10 points each:

[10] Name this true-crime novel that ends with the executions of the murderers Dick Hickock and Perry Smith.

ANSWER: **In Cold Blood**

[10] This author of *Other Voices, Other Rooms* wrote *Breakfast at Tiffany's*. His childhood friend Harper Lee accompanied him to Kansas to assist him with research for *In Cold Blood*.

ANSWER: Truman **Capote** [Truman Streckfus **Persons**]

[10] This protagonist of *Breakfast at Tiffany's* meets Jose Ybarra-Jaeger at a party in her New York apartment. She goes to Brazil after she's arrested for her role in Sally Tomato's drug ring.

ANSWER: **Holly** Golightly [Holly **Golightly**; or **Holiday** Golightly; or **Lula Mae** Barnes; or Lula Mae **Barnes**] <Carrie Derner>/<ed. Jacob>

15. He contrasted the dangers of different types of alcohol in *Beer Street* and *Gin Lane*. For 10 points each:

[10] Name this English painter who created the series *Marriage à-la-mode* and *A Harlot's Progress*.

ANSWER: William **Hogarth**

[10] This series of paintings by Hogarth begins with Tom being measured for clothes after inheriting a lot of money. This series ends with Tom dying in Bedlam near Sarah Young, whom he had rejected throughout the series.

ANSWER: A ***Rake's Progress***

[10] Hogarth's book titled for the analysis of this concept proposes the use of an S-shaped line instead of straight lines to make figures seem more lively. That line is also named for this concept, and one appears on top of a palette in Hogarth's self-portrait, *Painter and his Pug*.

ANSWER: **Beauty** <Seth Ebner>/<ed. Seth Ebner>

16. This poem's first stanza ends by noting that "bugles" are "calling for them from sad shires." For 10 points each:

[10] Name this poem, which notes that "only the monstrous anger of the guns" "can patter out their hasty orisons." It begins by asking "what passing-bells for these who die as cattle?"

ANSWER: "***Anthem for Doomed Youth***"

[10] This poet wrote "Anthem for Doomed Youth." He wrote about "the holy glimmers of goodbyes" in "Futility" and described "the Old Lie" in "Dulce et Decorum Est."

ANSWER: Wilfred **Owen** [Wilfred Edward Salter **Owen**]

[10] "Anthem for Doomed Youth" and "Dulce et Decorum Est" were written during this war. "Dulce et Decorum Est" describes a gas attack that occurred in trenches during this war.

ANSWER: **World War I** [or the **First World** War; or the **Great War**] <Joe Stitz>/<ed. Jacob>

17. Several prehistoric creatures with this ability included quetzalcoatlus and sordes. For 10 points each:

[10] Name this skill possessed by pterodactyls, enabled by extremely long fourth fingers and light, thin membranes.

ANSWER: **flight** [or the ability to **fly**; or **flying**; or equivalents]

[10] This enormous late cretaceous pterosaur was native to what is now the USA. It is the most abundant genus of pterosaur in the fossil record.

ANSWER: **Pteranodon**

[10] Many pterosaurs had these hard features on their heads. Saurolophus were dinosaurs with this anatomical feature.

ANSWER: **crest** [or cranial **crest**] <Alex Harmata>/<ed. Jacob>

18. The southern stretches of this river run through “Little Dixie,” as well as its namesake state’s “Rhineland.” For 10 points each:

[10] Name this river, known as the “Big Muddy” for its brown color, which Lewis and Clark traveled for the longest stretch of their expedition. It meets the Mississippi at St. Louis.

ANSWER: Missouri River

[10] This city on the Missouri was chosen over the cities of Yankton and Huron to become the capital of South Dakota due to its central location.

ANSWER: Pierre, South Dakota

[10] This major river of Nebraska joins the Missouri near Omaha. Scotts Bluff National Monument in the Nebraska panhandle is on the western reaches of this river.

ANSWER: Platte River <Alex Harmata>/<ed. Chris Chiego>

19. Arabs have a long-standing relationship with Southeast Africa by virtue of Indian Ocean trade routes. For 10 points each:

[10] Although it’s not part of Indonesia, this largest Spice Island was once the capital of the Sultanate of Oman. This island joined with Tanganyika to form Tanzania.

ANSWER: Zanzibar [or Unguja]

[10] This Bantu language, a lingua franca in the African Great Lakes region and other parts of Southeast Africa, derives much of its vocabulary from Arabic.

ANSWER: Swahili

[10] The Swahili coast was known to Arab merchants by this name. This term was also used to refer to the inhabitants of the region.

ANSWER: The Zanj [or Zang; or Zanji; or Zenci; or Zangi] <Alex Harmata>/<ed. Jacob>

20. In this religion, those who achieve the OT III level are taught that Lord Xenu ruled a “galactic confederacy” and killed millions of people by setting off hydrogen bombs. For 10 points each:

[10] Name this body of beliefs that practices a form of spiritual cleansing known as auditing. It is practiced by people like Tom Cruise.

ANSWER: Scientology [Church of Scientology]

[10] This founder of the Church of Scientology wrote *Dianetics: The Modern Science of Mental Health*.

ANSWER: L. Ron Hubbard [Lafayette Ronald Hubbard]

[10] This term in Scientology refers to immortal beings that inhabit human bodies and willed the universe into existence.

ANSWER: Thetans <Spencer Johnson>/<ed. Jacob>

Extra

This man's epigrams include the maxim "Less is More." For 10 points each:

[10] Name this architect, who was the last director of the Bauhaus ("bow-house"). He created the Barcelona Pavilion in Spain and the Farnsworth House in Illinois.

ANSWER: Ludwig Mies van der Rohe [or Maria Ludwig Michael Mies; prompt on van der Rohe]

[10] This American collaborated with Mies van der Rohe on the Seagram Building. His other works include the PPG Place in Pittsburgh and Hines College of Architecture in Houston.

ANSWER: Philip Johnson [Philip Cortelyou Johnson]

[10] Philip Johnson is best known for making a house almost entirely out of this material. This material can be made by melting sand.

ANSWER: glass <Cole Phinney>/<ed. Jacob>