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### Packet 2

## **Tossups**

- 1. Alternate methods of undergoing this action can come "by blood" or "of desire," according to Catholic doctrine. Due to the wording of chapter 15, verse 29 of First Corinthians, Mormons perform this action on the dead. The Radical Reformation spawned the believer's form of this act, which requires recipients to have reached the "age of(\*) accountability." The Theophany ("thee-off-uh-nee") includes a celebration of Jesus undergoing this process by immersion by John in the Jordan River. For 10 points, name this Christian sacrament that initiates recipients into the church and can involve the pouring of water. ANSWER: <a href="Baptism">Baptism</a> [or word forms, such as <a href="baptiz">baptiz</a> ing; or <a href="christen">christen</a> ing] <Spencer Johnson>/<ed. Jacob>
- 2. Harmonographs are drawn using these devices, such as the Blackburn type. The "compound," or "physical," type of these objects allows one component to have an arbitrary inertial mass. Foucault designed one of these devices which revolves once per day at the poles and whose frequency decreases as it approaches the equator. Newton's(\*) Cradle collides these objects to demonstrate the conservation of momentum. When the small angle approximation is applied, the frequency of these objects is proportional to the square root of the acceleration due to gravity over their length. For 10 points, name these swinging devices, the simplest of which consists of a mass on a string.

ANSWER: <u>**Pendulum**</u>s [prompt on <u>simple harmonic oscillator</u>s or <u>SHO</u>] <Wenzer Qin>/<ed. Seth Ebner>

3. This thinker outlined the problems with attaching the Indian rupee to the gold standard while serving on the Chamberlain Commission. This man said "In the long run, we are all dead." He argued that the harsh reparations put on Germany in the Treaty of(\*) Versailles would be disastrous in *The Economic Consequences of the Peace*. This thinker advocated for governments to pump money into the economy during a downturn to buffer the effects of the boom and bust cycle. For 10 points, name this British economist who advocated deficit spending. ANSWER: John Maynard Keynes < David Dennis >/<ed. Jacob>

4. In response to the revolt of Bajamonte Tiepolo, this city established the governing Council of Ten. The leader of this city would drop a ring from the *Bucentaur* in the Marriage to the Sea ceremony. Pope Julius II created the League of Cambrai to combat this city. A blind leader of this city convinced the(\*) Fourth Crusade to attack Constantinople and was named Enrico Dandolo. This city often fought its rival Genoa for control of trading routes in the Mediterranean. For 10 points, name this Italian city on the Adriatic that was ruled by Doges and is known for its canals.

ANSWER: <u>Venice</u> [or <u>Venezia</u>; or the Most Serene Republic of <u>Venice</u>; or the Republic of <u>Venezia</u>; or Republica di <u>Venezia</u>; or Serenissima Repubblica di <u>Venezia</u>] <Cole Phinney>/<ed. Jacob>

5. The second scene of a play by this author ends with a discussion of how Robert enjoyed reading Yeats ("Yates") at dawn in Torcello. That play by this author traces Jerry's affair with Emma backwards in time. In a play by this author of *Betrayal*, Meg plans the title event for Stanley, and Goldberg and McCann take him away. Two characters in a play by this author debate the meaning of the phrase(\*) "light the kettle" before the title device reveals that Gus is to be killed by Ben. For 10 points, name this British playwright of *The Dumbwaiter* and *The Birthday Party*.

ANSWER: Harold **Pinter** <Joe Stitz>/<ed. Jacob>

- 6. A guitar riff from this man's song about the artist of Campbell's Soup Cans was borrowed by the band Metallica for the midsection of "Master of Puppets." One of his songs states "I'm an alligator" and another features a character who "would like to come and meet us but he thinks he'd blow our minds." The opening of(\*) The Breakfast Club features the lyrics to his song "Changes," and his widow is named Iman. For 10 points, name this British artist of "Star Man" and "Space Oddity" who died of liver cancer in January of 2016. ANSWER: David Bowie [David Robert Jones] < Matt Dew >/< ed. Sean Phillips >/< ed. Jacob>
- 7. Many developments for the first successful one of these inventions were adopted from ideas by Otto Lilienthal and George Cayley. The Canadian Billy Bishop used one of these devices. After extorting over \$200,000 in ransom money, D.B. Cooper(\*) left one of these devices. A red one of these devices was used by Manfred von Richthofen, who was nicknamed the "Red Baron." Some pioneers of this vehicle demonstrated one at Kitty Hawk, North Carolina. For 10 points, name these vehicles, which were first demonstrated by the Wright brothers.

ANSWER: Airplanes [or aeroplane] < Stephen Bunch > / < ed. Jacob >

8. A work by this artist shows a woman on horseback riding through a forest that interlaces foreground and background. This artist of *The Blank Check* painted a series which shows a dark road with a lone streetlight under a daytime sky. A work by this artist of *The Empire of Lights* shows a pipe, below which is written the translated caption "This is(\*) not a pipe." This artist also painted a train, which juts out from a fireplace. For 10 points, name this Belgian Surrealist who painted *The Treachery of Images* and *Time Transfixed*. ANSWER: Rene Magritte [René François Ghislain Magritte] <Wenzer Qin>/<ed. Seth Ebner>/<ed. Jacob>

- 9. In this novel, a literate garbage collector named Zeebo helps the parishioners of a church nicknamed First Purchase perform hymns. As Ms. Maudie's house burns down, a blanket is draped over the shoulders of this novel's narrator by a character who hides trinkets in the knothole of a tree. In this novel, Bob Ewell accuses Tom(\*) Robinson of raping his daughter Mayella. An attack on Jem and Scout by Ewell is thwarted by "Boo" Radley. For 10 points, name this Harper Lee novel set in Maycomb County that focuses on Atticus Finch. ANSWER: *To Kill a Mockingbird* <Alex Harmata>/<ed. Jacob>
- 10. The gamma allotrope of this element is called austenite. This element binds to siderophores, such as enterobactin, the strongest known chelating agent. Though not aluminum or zinc, this metal can be used as a catalyst to electrophilically halogenate aromatic rings. A porphyrin ("POR-fear-in") ring surrounds this element in hemoglobin. This metal's sulfide,(\*) pyrite, is also known as fool's gold. It exists alongside oxygen in such minerals as hematite and magnetite. For 10 points, name this metal with symbol Fe that oxidizes to form rust.

ANSWER: **iron** [or **Fe** until it is mentioned] <Alex Harmata/ed. David Dennis>

11. This politician is the only still-serving member of a group of Senators who were investigated during the 1980's Savings and Loan crisis, the Keating Five. One piece of legislation named for this man and Russ Feingold provided new campaign finance regulations. This man's experiences as a(\*) PoW in the Hanoi Hilton led this Senator to call for the closing of Guantanamo Bay and his support of the release of the Senate torture report in 2014. For 10 points, name this Republican Senator from Arizona, who lost to Barack Obama in 2008.

ANSWER: John McCain < Dinis Trindade/ed. Dennis>

- 12. This man spent lots of his writing time trying to find what he called *le mot juste*, or "the right word." This man's *Three Tales* include his story about the maid Felicite, "A Simple Heart." This author wrote a novel where Madame Arnoux ("ar-NOH") is loved by Frederic Moreau ("moh-ROH"). The title character of a novel by this man wants(\*) arsenic, so she can "kill some rats." In that novel by this man, the title character goes to see a production of *Lucia di Lammermoor* and has affairs with Rodolphe Boulanger and Leon Dupuis. For 10 points, name this French author of *A Sentimental Education* and *Madame Bovary*. ANSWER: Gustave Flaubert <Joe Stitz>/<ed. Jacob>
- 13. The Battle of Camurlu ended a civil war in this empire called the Interregnum. An elite military unit of this empire was disbanded during the Auspicious Incident; that unit from this empire was recruited through the devsirme ("dev-sheer-mey") system. This empire's elite military units were the Janissary Corps, and it underwent the modernizing(\*) Tanzimat reforms. This "sick man of Europe" was founded by Osman I, and it failed to capture Vienna under Suleiman the Magnificent. For 10 points, name this empire which became Turkey after World War I.

ANSWER: Ottoman Empire <Cole Phinney>/<ed. Jacob>

14. Foam cells are macrophages which have ingested large amounts of this compound, and this compound makes up the majority of gallstones. Enzymes in the membrane of the ER convert squalene to this molecule, which itself is a precursor to vitamin D. The concentration of this molecule in the bloodstream is lowered by(\*) statins. This molecule keeps the cell membrane fluid and is transported by HDL and LDL. This molecule's buildup on the walls of arteries can cause atherosclerosis. For 10 points, name this precursor to steroid hormones known for its role in heart disease.

ANSWER: **cholesterol** < David Dennis>

- 15. This composer used Latin American themes for a clarinet concerto that he was commissioned to write by Benny Goodman. This composer and Horace Everett worked together to create *The Tender Land*. This composer used the folk song "Bonaparte's Retreat" in one of his more well-known operas, and included "El Palo Verde" in his(\*) *El Salon Mexico*. This composer used the shaker melody "Simple Gifts" in his most well-known piece. For 10 points, name this American composer of *Appalachian Spring* and *Rodeo*. ANSWER: Aaron Copland <Joe Stitz/ed. David Dennis>
- 16. In a speech, this man noted that "Christ taught that our lives are precious in the sight of God," and that "poets have...woven it into immortal verse." This deliverer of the "Prince of Peace" speech resigned as Woodrow Wilson's Secretary of State following the sinking of the Lusitania. He was cross-examined by Clarence(\*) Darrow during the Scopes Trial. In a speech championing bimetallism, this politician declared that "you will not crucify mankind" upon the title object. For 10 points, name this three-time Democratic presidential nominee and orator of the "Cross of Gold" speech.

ANSWER: William Jennings Bryan < Joe Stitz>/<ed. Jacob>

17. This deity asked a dwarf questions until dawn, when that dwarf, Alviss, turned to stone. This god has a piece of whetstone stuck in his head from his duel with Hrungnir. This deity uses an ox's head as bait while fishing with the giant Hymir. He owns "teeth-barer" and "teeth-grinder," two(\*) goats who pull his chariot. This god once dressed as Freya to retrieve his most famous weapon, which can level mountains and returns to him when thrown. This god takes nine steps and dies after killing his enemy, the Midgard Serpent. For 10 points, name this Norse god of thunder, the owner of Mjölnir ("myawl-nir").

ANSWER: Thor [or Thunaer; or Thunor; or Donar] <Joe Stitz>/<ed. Jacob>

18. A poem that shares its title with this poem wonders, "What powerful but unrecorded race once dwelt in that annihilated place." This poem shares its name with a poem published by the author's friend Horace Smith, and the speaker of this poem describes a "wrinkled lip" and a "sneer of cold command." This poem is framed as a conversation with an "antique(\*) traveler from a foreign land," who describes a statue where the words "Look on my works, ye mighty, and despair!" are inscribed. For 10 points, name this Percy Shelley poem about a statue of a "king of kings."

ANSWER: "Ozymandias" < Carrie Derner >/< ed. Jacob>

- 19. One landmark in this country's capital is a trio of pointed towers surrounded by blue spheres used for water storage. In this country, a gold-domed clock tower crowns the Seif Palace, which houses the ruling Sabah family. The Mutla Ridge bottlenecks road access to its capital from the north. The Great Burgan(\*) oilfield lies in this country, which controls the Bubiyan Island at the mouth of the Shatt-al-Arab on the Persian Gulf. For 10 points, name this small Middle Eastern country invaded in 1990 by its northern neighbor, Iraq. ANSWER: Kuwait [State of Kuwait; or Dawlat al-Kuwayt] <David Dennis>/<ed. Chris Chiego>
- 20. Alonzo Church's lambda calculus satisfies this man's namesake "completeness", and along with Church, this man names a thesis that states that all computable functions can be computed using a namesake device. That hypothetical device named for this man manipulates symbols on an infinite strip of(\*) tape according to a table of rules, his namesake machine. During World War II, this man worked at Bletchley Park to develop a machine that could break the German Enigma cipher. For 10 points, name this British computer scientist, the focus of the 2014 film *The Imitation Game*.

ANSWER: Alan **Turing** [Alan Mathison **Turing**] <Wenzer Qin>/<ed. Seth Ebner>

### Tiebreaker

The second section of a work by this composer was titled *Symbolum Nicenum*, and is set in a symmetrically-ordered nine parts with the Crucifixion scene in its center. That work by this composer is actually a compilation of separate parts composed previously over a period of decades and is in the unusual key of B minor. This composer based a work on a theme written by(\*) Frederick the Great. This composer of the *Musical Offering* also wrote a work showcasing a new tuning system using twenty-four preludes and fugues. For 10 points, name this composer of the *Well-Tempered Clavier* ("kluh-veer").

ANSWER: Johann Sebastian Bach [or J.S. Bach] < David Dennis>

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# **Bonuses**

1. The shallow part of this layer of the earth contains abundant olivine. For 10 points each:

[10] Name this layer comprising over 80% of the earth's volume, which lies above the core and below the crust.

ANSWER: Mantle

[10] The mantle is separated from the crust above it by this boundary, which is named for a Croatian seismologist.

ANSWER: Moho discontinuity [or Mohorovicic discontinuity]

[10] This boundary separates the d double prime layer of the mantle from the outer core. It is named for a German scientist who helped to develop the Richter scale

ANSWER: **Gutenberg** discontinuity <Alex Harmata>/<ed. Jacob>

2. Due to his comments in *The Apology*, the saying that "All I know is that I know nothing" is often misattributed to this philosopher. For 10 points each:

[10] Name the Greek philosopher who died after drinking hemlock. This "gadfly of the state" was sentenced to death by his native Athens.

**ANSWER:** Socrates

[10] Socrates makes an appearance in this Platonic dialogue, which describes an ideal city-state ruled by philosopher kings.

ANSWER: The <u>Republic</u> [or <u>Politeia</u>; or De <u>Re Publica</u>]

[10] In *The Republic*, Socrates argues that the reality we experience is dependent on how we perceive that reality, an argument that was used through this analogy about prisoners who see shadows and not the real Sun.

ANSWER: "The <u>Allegory</u> of the <u>Cave</u>" [or <u>Analogy</u> of the <u>Cave</u>; or <u>Myth</u> of the <u>Cave</u>; or the <u>Metaphor</u> of the <u>Cave</u>; or the <u>Parable</u> of the <u>Cave</u>] <Wenzer Qin>/<ed. Jacob>

3. In 2016, The Attaca Quartet finished a six-year long project, performing all 68 of this man's String Quartets. For 10 points each:

[10] Name this "Father of the String Quartet" who also wrote at least 104 symphonies, some of which may be missing.

ANSWER: Franz Joseph <u>Haydn</u>

[10] This is the nickname given to symphony number 94. The nickname comes from a very sudden, loud chord that follows a quiet melody in the second movement.

ANSWER: **Surprise** Symphony

[10] This oratorio by Haydn opens with a loud unison C and the "Representation of Chaos" just before the title event.

ANSWER: The <u>Creation</u> [or Die <u>Schopfung</u>] <David Dennis>

- 4. In each act of this play, a choir sings the hymn "Blessed Be The Tie That Binds." For 10 points each:
- [10] Name this play, whose Act III includes Emily Webb reliving her twelfth birthday. This play is set in the fictional town of Grover's Corners.

ANSWER: Our Town

[10] This author of *Our Town* wrote *The Bridge of San Luis Rey*. He wrote about the Antrobus family surviving the dawn of a new ice age in *The Skin of Our Teeth*.

ANSWER: Thornton Wilder [Thornton Niven Wilder]

[10] This character narrates *Our Town* and officiates at George and Emily's wedding. This character muses that "the saints and poet, maybe" actually "realize life while they live it." ANSWER: the **Stage Manager** <Joe Stitz>/<ed. Jacob>

- 5. This man was the first emperor of a unified China. For 10 points each:
- [10] Name this man, who also constructed the Terracotta Army for his tomb. He was notorious for the burning of books and the burying of scholars during his reign.

ANSWER: Qin <u>Shi Huangdi</u> ("Shee Huh-ang-dee") [or <u>Shih-huang-ti</u>; or Zhao <u>Zheng</u>; or Ying <u>Zheng</u>; or <u>Zheng</u> of Qin; prompt on <u>Qin</u>]

[10] The Qin Emperor also built a version of this series of defensive fortifications to protect China from Xiongnu raids. A persistent myth contends that it can be seen from space.

ANSWER: The **Great Wall** of China [or **Wan-li** Ch'ang-ch'eng; or **Wanli** Changcheng]

[10] This dynasty reunified China after the Qin dynasty split into eighteen states. This dynasty was founded by Liu Bang, and its name refers to the majority ethnicity of China.

ANSWER: Han Dynasty < Dinis Trindade >/< ed. Jacob >

- 6. The phrase "survival of the fittest" is actually from economics, although it is more commonly attributed to this theory. For 10 points each:
- [10] Name this mechanism of evolution formulated by Charles Darwin, which states that traits that contribute to survival or reproductive success are more likely to be passed on.

# ANSWER: **Natural selection**

[10] Darwin studied these birds on the Galápagos Islands while developing his theory. Varieties of these birds include the mangrove, vampire, cactus, and ground species.

ANSWER: Finches

[10] This evolutionary process is when a lineage of organisms rapidly diversifies into a multitude of new species. It usually occurs when new resources or new environmental pressures are introduced to the environment.

ANSWER: Adaptive radiation < Wenzer Qin/ed. David Dennis>

- 7. This character's brother Mycroft is described as being "the most indispensable man in the country." For 10 points each:
- [10] Name this detective created by Sir Arthur Conan Doyle. He resides at 221B Baker Street with Dr. John Watson, and his nemesis is Professor Moriarty.

ANSWER: Sherlock **Holmes** [or **Sherlock** Holmes]

[10] Sherlock Holmes may have had a crush on this woman, who outsmarts him in "A Scandal in Bohemia."

ANSWER: <u>Irene</u> Adler [or Irene <u>Adler</u>; or Irene <u>Norton</u>]

[10] Sherlock fistfights Moriarty at this location in "The Final Problem." It's revealed in "The Adventure of the Empty House" that Holmes survives the battle here, while Moriarty does not.

ANSWER: Reichenbach Falls <Sherry Xie>/<ed. Jacob>

- 8. A mountain range on this island is named for Otto von Bismarck, since Germany was one of its colonizers. For 10 points each:
- [10] Name this island north of the Gulf of Carpentaria. Its landmass is currently split between Indonesia and another nation.

ANSWER: New Guinea [do NOT accept or prompt on "Papua New Guinea"]

[10] A peninsula in far West New Guinea is named for its resemblance to the shape of this kind of creature. New Guinea also has many species of cassowaries, which are a flightless type of this creature.

ANSWER: **bird**s [or **fowl**s]

[10] Pollution on this autonomous island of Papua New Guinea led to a rebel movement in the 1990s that notably used coconut oil as fuel. This island is east of New Guinea and is named for a French explorer.

ANSWER: Bougainville Island < Alex Harmata >/<ed. Chris Chiego>

9. NOTE TO MODERATOR: Do not reveal the prompt on the first part of the bonus, as it will reveal the answer to the third part of the bonus. Thanks!

These people built magnificent hill forts known as "pa" and are divided into social units called "iwi." For 10 points each:

[10] Name these people, with whom William Hobson negotiated the Treaty of Waitangi.

ANSWER:  $\underline{\text{Maori}}$  [prompt on  $\underline{\text{New Zealand native}}$ s or equivalents, such as  $\underline{\text{aborigines}}$  of  $\underline{\text{New Zealand}}$  or  $\underline{\text{aboriginal people}}$ s of  $\underline{\text{New Zealand}}$ 

[10] In the decades prior to signing the Treaty of Waitangi, the Maori engaged in these intense inter-tribal skirmishes, which were named for the weapons they used to fight each other.

ANSWER: Musket Wars

[10] The Maori are a native people of this country, whose capital was moved from Auckland to Wellington by Hobson.

ANSWER: **New Zealand** [or **Aotearoa**] <Alex Harmata>/<ed. Jacob>

- 10. Cesare Negri invented the "five positions" of this art form, where the feet are arranged in different angles. For 10 points each:
- [10] Name this art form, whose "en pointe" technique was perfected by Marie Taglioni.

Practitioners of this art form often appear in productions such as Swan Lake.

ANSWER: **Ballet**s [prompt on dance]

[10] This Tchaikovsky ballet features the "Dance of the Sugar Plum Fairy." In this ballet, Clara is saved from the Mouse King by the title toy, which is a Christmas present.

ANSWER: *The Nutcracker* [or *Shchelkunchik*]

[10] Marius Petipa choreographed a "Black Swan" version of this dance for *Swan Lake*. This type of dance sees two dancers perform an entree, an adagio, a variation for each dancer, and a coda.

ANSWER: Pas de deux [prompt on duet] < Jacob O'Rourke>

- 11. Column, thin-layer, flash, gas, and high-performance liquid are all varieties of this technique for separating chemicals. For 10 points each:
- [10] Name this broad range of physical methods used to separate and analyze complex mixtures, whose name comes from the Greek word for "color."

ANSWER: chromatography

[10] This stationary phase is used primarily as a teaching tool in simple experiments, such as aiming to separate dyes in pen ink. Instead of this substance, thin-layer chromatography uses an absorbent like silica gel.

ANSWER: **paper** [or **cellulose**]

[10] This value, which can be described as the "speed" of an analyte through the chromatography, is the distance a compound moves over the distance the solvent moves.

ANSWER: **retention factor** [or **rf**] <Alex Harmata/ed. David Dennis>

- 12. This man believed in principles such as filial piety, rectification of names, and an early version of the golden rule. For 10 points each:
- [10] Name this Chinese teacher and philosopher who lived during the Spring and Autumn period.

ANSWER:  $\underline{Confucius}$  [ $\underline{Kongfuzi}$ ; or  $\underline{Kongzi}$ ; or  $\underline{K'ung-fu-tzu}$ ; or  $\underline{K'ung-tzu}$ ; or  $\underline{Kongqiu}$ ; or  $\underline{Zhongni}$ ]

[10] Confucius's followers collected his sayings in this book, which is believed to have been written in the Warring States period.

ANSWER: The <u>Analects</u> [or <u>Lunyu</u>; or <u>Lun yu</u>; or The <u>Analects</u> of Confucius]

[10] This man was taught by Zisi, the grandson of Confucius, and is called the "Second Sage" of Confucianism.

ANSWER: Mencius [Mengzi; or Meng-tzu; or Meng K'o] <Wenzer Qin>/<ed. Jacob>

13. Answer the following about German writers. For 10 points each:

[10] This author wrote about a character who kills Gretchen's brother Valentin and is tempted by Mephistopheles in his play *Faust*.

ANSWER: Johann Wolfgang von **Goethe** ("Gair-tuh")

[10] Goethe helped create the Weimar Classicism movement along with this poet of the "Ode to Joy," who wrote the plays *Don Carlos* and *William Tell*.

ANSWER: Friedrich Schiller [Johann Christoph Friedrich von Schiller]

[10] This poet asked "who, if I cried out, would hear me among the Angelic Orders" in the first of his *Duino* ("**Dway-no**") *Elegies*.

ANSWER: Rainer Rilke ("Rill-kuh") [Rainer Maria Rilke] <Sherry Xie>/<ed. Jacob>

14. The trigger for this event was the arrest of Marquette Fry for drunk driving, and its causes were investigated by the McCone Commission. For 10 points each:

[10] Name this 1965 riot, which resulted from years of racial tension under Police Chief William Parker. It was named for the African-American neighborhood in which it took place.

ANSWER: Watts Riots

[10] The Watts riots occurred in this West Coast city, which had been rocked by the Zoot Suit Riots 20 years earlier. This California city's police department also started the DARE program.

ANSWER: **Los Angeles**, California [or **LA**]

[10] More riots broke out in 1992 after Stacey Koon and three other officers of the LAPD were caught on tape beating this man, who appeared on TV asking "can't we all just get along?"

ANSWER: Rodney King [Rodney Glen King] <Alex Harmata>/<ed. Jacob>

15. Answer the following about the hunt of the Calydonian Boar. For 10 points each:

[10] This Greek goddess of the hunt sent the boar to ravage Calydon after King Oeneus failed to honor her.

**ANSWER: Artemis** 

[10] Meleager, who slew the boar with his spear, was a member of this group of Greek heroes that accompanied Jason on the way to Colchis to find the Golden Fleece.

ANSWER: Argonauts [or Minyans; or Argonautai]

[10] This virgin huntress also accompanied the Calydonian Boar Hunt. She was the first to strike and draw blood from the boar, and was given the skin by Meleager afterwards.

ANSWER: Atalanta < David Dennis > / < ed. Jacob >

16. A Type 1a instance of these events was discovered in the Pinwheel Galaxy in 2011. For 10 points each:

[10] Identify these explosions of massive stars that occur at the end of a star's lifetime. They are sometimes caused by sudden gravitational collapse.

ANSWER: Supernovae

[10] These stellar remnants can explode in a Type 1a supernova if their mass exceeds the Chandrasekhar limit. Sirius B is the closest known example.

ANSWER: White dwarf [or degenerate dwarf]

[10] Type 1a supernovae are caused by this effect which consists of multiple nuclei merging together. Supernovae nucleosynthesis explains the production of various elements due to this kind of reaction.

ANSWER: nuclear fusion [do NOT accept "fission"] < Wenzer Qin >/<ed. Seth Ebner>

- 17. This policy was fought against by Ludwig Windthorst of the Center Party, and it included such legislation as Adalbert Falk's May Laws. For 10 points each:
- [10] Name this "bitter struggle" in the early years of the German Empire against the power of the Catholic Church.

ANSWER: Kulturkampf

[10] This Prussian chancellor and practitioner of realpolitik initiated the kulturkampf campaign. He was fired shortly after Wilhelm I took the throne of a unified Germany.

ANSWER: Otto von **Bismarck** [Otto Eduard Leopold, Prince von **Bismarck**]

[10] While arguing for military funds, Bismarck asserted that the "questions of the day" would be decided "not through speeches or majority decisions," but by these two things.

ANSWER: **Blood** and **Iron** [or **Blut** und **Eisen**] <Alex Harmata>/<ed. Jacob>

18. Answer some questions about the game of golf. For 10 points each:

[10] This American golfer set the record for largest margin of victory in a major tournament when he won the 2000 U.S. Open by fifteen strokes.

ANSWER: "Tiger" Woods [or Eldrick Woods; prompt on Tiger]

[10] This major championship, the first of the year, is the only major championship to be held at the same golf course every year. The winner of this event receives the Green Jacket.

ANSWER: The **Masters** 

[10] This golfer, who won his last Major at the 1986 Masters at the age of 46, is the only person to win more Majors than Tiger Woods.

ANSWER: Jack Nicklaus < Wenzer Qin/Veer Sangha>/<ed. Sean>/<ed. Jacob>

19. In 1401, the Arte di Calimala sponsored a competition to design the northern entrance of a building, which was won by a young Lorenzo Ghiberti. For 10 points each:

[10] After that contest, Ghiberti was granted the commission for these ten gilded bronze panels on the eastern entrance. These panels depict scenes from the Old Testament.

ANSWER: The **Gates of Paradise** [or the **door**s of the **Florence Baptistery**]

[10] When this Italian artist first saw the doors, he found them so beautiful that he coined the name "Gates of Paradise." He is known for his marble sculptures like *Pieta* and *David*.

ANSWER: Michelangelo di Lodovico Buonarroti Simoni

[10] Ghiberti beat out this other famous Florentine artist, who is best known as the designer of the massive double-shelled dome of the Florence Cathedral.

ANSWER: Filippo **Brunelleschi** <Wenzer Qin>/<ed. Seth Ebner>

- 20. The speaker of this poem states that "I too am untranslatable" and that "I sound my barbaric yawp over the roofs of the world." For 10 points each:
- [10] Name this 52-section poem that begins "I celebrate myself." The speaker of this poem says that "I am large, I contain multitudes."

ANSWER: "Song of Myself"

[10] This American poet of "Song of Myself" included "I Sing the Body Electric" in his collection *Leaves of Grass*.

ANSWER: Walt Whitman

[10] This poem by Whitman addresses the "Crowds of men and women attired in the usual costumes." The speaker of this poem declares "flood tide below me! I watch you face to face."

ANSWER: "Crossing Brooklyn Ferry" < Carrie Derner >/< ed. Jacob>

## Extra

The narrator of a novel by this author bonds with Nagasawa over their love of *The Great Gatsby*. For 10 points each:

[10] Name this Japanese author, who wrote about Toru Watanabe in *Norwegian Wood*. The plots of many of his novels revolve around cats.

ANSWER: Haruki Murakami

[10] In a Murakami novel named for this other author "on the Shore," a 15 year-old runaway talks with his alter-ego, "the boy named Crow." This author wrote about Gregor Samsa's transformation in "the Metamorphoses."

ANSWER: Franz Kafka [or Kafka on the Shore]

[10] In this Murakami novel, Aomame theorizes she entered the title world when she heard Janacek's ("yah-nah-chek's") *Sinfonietta* play on the radio. Aomame leaves the title world of this novel, which has two moons, with Tengo.

ANSWER: <u>1084</u> [or <u>One Q Eighty-Four</u>; or <u>0-teen Eighty-Four</u>; or <u>ichi-kew-hachi-yon</u>] <Jacob O'Rourke>