

Berus-Lie Academic Spring Tournament (BLAST)

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Packet 10: Journey to the West reacts only

Tossups

1. In this play, a character hears a recording saying “The capital of Ohio is Cincinnati, the capital of Rhode Island is...” from a tape recorder Howard accidentally switched on. This play ends with a “Requiem” in which the phrase “we’re free” is repeatedly sobbed. A character in this play says “She’s nothing to me...I was lonely, I was terribly lonely” to justify his affair with a woman, to whom he gifted (*) silk stockings that had belonged to his wife. A character from this play who burns his “University of Virginia” sneakers after flunking math recalls running down “eleven flights with a pen in [his] hand,” after stealing that pen from Bill Oliver. For 10 points, name this play in which the title character crashes a car to collect insurance money, written by Arthur Miller.

ANSWER: Death of a Salesman <KL, Drama> {Literature, Drama}

2. A symphony by this composer opens with the woodwinds repeating rapid triplet eighth notes while the violins play a bright melody that begins with two repetitions of the notes [read slowly] “A, long C-sharp, A,” followed by leap from A up to E. The last movement of that fourth symphony by this composer opens with two flutes playing a rapid *saltarello*. Another by this composer commemorates the (*) 300th anniversary of the Augsburg Confession with a rendition of “A Mighty Fortress is Our God.” This composer of the Reformation Symphony visited Fingal’s Cave in a trip with his sister Fanny that inspired both his Hebrides Overture and Scottish Symphony. For 10 points, name this German Romantic composer of the Italian Symphony and incidental music to *A Midsummer Night’s Dream*.

ANSWER: Felix Mendelssohn-Bartholdy <ES, Auditory Fine Arts> {Fine Arts, Auditory Fine Arts}

3. Perelman’s proof of the Poincaré [**“pwann-kah-RAY”**] conjecture uses the evolution of a tensor representing this quantity named after Ricci [**“RICH-ee”**]. Setting this quantity to be proportional to arc length generates an Euler [**“OIL-er”**] spiral. This quantity is equal to the magnitude of the derivative of the tangent vector with respect to arc length. One form of this quantity was proven to be invariant in the **Theorema Egregium**. That form of this quantity, which is (*) negative for hyperbolic space and positive for spherical space, is named for Gauss. This quantity is denoted kappa, and for a circle it is equal to one over radius. For 10 points, name this quantity that represents how much an object deviates from being straight.

ANSWER: curvature <SL, Math> {Science, Mathematics}

4. This state is home to the largest historically black college in the US, A&T University. It’s not in Arkansas, but Shaw University, America’s first public black university, was founded in this state’s city of Fayetteville. In this state, John Andrew Rice founded an experimental liberal arts college at Black Mountain. This state is home to America’s oldest public university, whose sports teams are referred to as the (*) “Tar Heels” in reflection of this state’s motto. This state’s “research triangle” of universities is bounded by its cities of Durham and Chapel Hill, the former of which is home to Duke University. For 10 points, name this state, whose largest public university is located in Raleigh.

ANSWER: State of North Carolina <CS, Geography> {Other, Geography}

5. This leader once told Transport Secretary Nicholas Ridley that “railway privatisation will be the Waterloo of this government,” despite having privatized companies like Oftel and Ofgas. This politician appointed Lord Carrington as Foreign Secretary, in which role he brokered the Lancaster House Agreement to break up a country led by Ian Smith. Five people were killed by a (*) bomb intended for this politician at the Brighton Hotel, and this politician had earlier attempted to gain popularity by stopping Argentine control of the Falkland Islands. For 10 points, name this Conservative British Prime Minister, the first woman to serve in that role.
ANSWER: Margaret Hilda **Thatcher** [prompt on Iron Lady before mentioned] <AN, European History> {History, European History}

6. Walter Savage Landor’s poem of this name notes how one of these things “gives / Immortal youth to mortal maids.” This is the last word in the title of a poem that observes how misery “deepens like a coastal shelf,” since “Man hands on misery to man,” and thus advises “get out as early as you can / And don’t have any kids yourself.” That Philip (*) Larkin poem is titled “This be” [one of these things]. This is the first noun in the title of a poem that recounts “That fearful sound of ‘Fire’ and ‘Fire’,” which was written by Anne Bradstreet “Upon the Burning of [her] House.” Two types of these things that both lack rhyme are differentiated by their use of meter. For 10 points, what word names a poetry form contrasted with prose, which may be “blank” or “free?”
ANSWER: verses [accept “This Be the Verse”; accept “Verses upon the Burning of Our House”; accept blank verse or free verse] <WZ, Non-Epic Poetry> {Literature, Non-Epic Poetry}

7. An alkaloid derived from a member of the nightshade plant family can block the actions of this molecule; that medication is atropine [**“ATRO-peen”**]. Antibodies attack this molecule’s receptors in myasthenia gravis. The two types of receptors for this molecule are named after their affinities for muscarine and nicotine. Sarin gas inhibits a namesake (*) esterase which degrades this molecule while botulinum toxin prevents its release. This molecule is the primary neurotransmitter used in the somatic nervous system, where it excites a skeletal striated tissue. For 10 points, name this neurotransmitter which is released at neuromuscular junctions and is synthesized from acetyl-coA.
ANSWER: acetylcholine [accept **ACh**] <ARB, Biology> {Science, Biology}

8. Following the end of this war, riots broke out in the capital city of the victorious side over the lack of any reparations payments. Fedor Keller was defeated in this war at the Battle of Motien Pass, and Father Gapon led a march calling for the end of this war. One side in this conflict antagonised Britain after firing on fishing boats in the (*) Dogger Bank incident. This war, which began with an assault on Port Arthur, saw Admiral Togo’s fleet successfully “cross the T” during the Battle of Tsushima, and Theodore Roosevelt helped negotiate its end in the Treaty of Portsmouth. For 10 points, name this 1904-1905 conflict between countries led by Tsar Nicholas II and Emperor Meiji.
ANSWER: Russo-Japanese War <GP, World History> {History, World History}

9. This artist painted the works *Philosophy, Medicine, and Jurisprudence* for the ceiling of a university’s hall. A frieze by this artist begins with floating women in white which leads to a depiction of the Gorgons and Typhon. Another painting by this artist depicts a smirking woman with two exposed breasts holding a severed head; that painting is *Judith I*. This artist of the (*) *Beethoven Frieze* created a portrait of a woman in a gold eye-covered dress that was seized by the Nazis. In another painting by this artist, a man in a dress covered in rectangles performs the title action to a woman in a dress covered in circles. That painting, in addition to *Portrait of Adele Bloch-Bauer I*, is one of the many paintings this artist created using gold leaf. For 10 points, name this Austrian symbolist artist of *The Kiss*.
ANSWER: Gustav **Klimt** <ML, Visual Fine Arts> {Fine Arts, Visual Fine Arts}

10. **Description acceptable.** In Greek mythology, successful completion of this action is followed by an *anabasis*. Hercules performs this action as a token of appreciation for Admetus's hospitality. One hero earned the epithet "hypolispos", meaning "hinder parts rubbed smooth", as a result of the way he was rescued from a chair while performing this action. In the *Aeneid*, one character must retrieve a golden (*) bough before he can successfully perform this action. Psyche was told to take honeyed barley cakes and two coins with her when performing this action. One person who performed this action failed to keep his patience and looked back before he was supposed to. For 10 points, name this action undertaken by Orpheus in his attempt to bring back his deceased wife Eurydice.

ANSWER: **descent into the underworld** [accept **katabasis**, accept **rescuing people from the underworld**, accept equivalent descriptions, including mentioning rescuing specific people; do not accept or prompt on any answers indicating the "death" of the person performing the action] <SZ, Mythology> {Beliefs, Mythology}

11. **Pressure head is equal to pressure divided by gravitational acceleration and this quantity. According to the continuity equation for fluids, the time derivative of this quantity is equal to the negative divergence of the velocity field times this quantity. As a result, this quantity is constant when the divergence of the velocity field is zero, which is true for (*) incompressible flow.** Specific volume is the reciprocal of this quantity, and specific gravity is equal to this quantity divided by its value for water. Pressure within a liquid is equal to this quantity times gravitational acceleration times depth. For 10 points, name this quantity denoted rho, equal to mass divided by volume.

ANSWER: **density** <SL, Physics> {Science, Physics}

12. **Martin Shubik proposed one version of these events centered on a dollar bill in which rational actors ultimately end up with infinite loss. Different mechanisms for these events can generate identical revenue according to the revenue equivalence theorem. That theorem was first proven by the namesake of an incentive compatible one of these events, William Vickrey. In the "double" form of these events, both (*) buyers and sellers provide valuations.** The Dutch form of these events is theoretically equivalent to blind ones. Winners tend to overpay in these events in the "winner's curse." For 10 points, name these events in which multiple participants compete for goods by bidding.

ANSWER: **auctions** <SL, Social Science> {Thought, Social Science}

13. **During a war between these two countries, George Anson circumnavigated the globe in an attempt to attack the other's colonies. As part of the Treaty of Utrecht ["oo-trekt"], one of these two countries gave an *asiento* to the other. An invasion by one of these two countries into the other's colony was halted at the Battle of Bloody Marsh. That invasion took place during a war fought between these two countries, the War of (*) Jenkins' Ear. A former colony of one these two countries established its southern border with the other as part of Pinckney's Treaty. For 10 points, name these two empires who fought over their colonies of Georgia and Florida, respectively.**

ANSWER: the **United Kingdom** and **Spain** [accept **England** or **Great Britain** for United Kingdom] <HP/AN, American History> {History, American History}

14. **The protagonist of a novel by this author escapes a dictatorship under the pretense that she plans to study under nuns in Michigan. One novel by this author opens with the quote "I write. I write that I am writing." Another novel by this author focuses on a prophet known as "The Counselor" during the Brazilian War of Canudos. The assassination of Rafael Trujillo is depicted in a novel by this author that centers on (*) Urania Cabral.** In a novel by this author of *The War of the End of the World*, alternating chapters depict an affair between Mario and his aunt and scripts written by Pedro Camacho. For 10 points, name this Peruvian author of *The Feast of the Goat* and *Aunt Julia and the Scriptwriter*.

ANSWER: Mario **Vargas Llosa** <SW and AB, Long Fiction> {Literature, Long Fiction}

15. **Kayrat Samarkand claimed that he was forced to chant “long live” this leader in a detention facility in his country. The Eight-point Regulation was put into place by this leader, whose country is the target of a policy masterminded by Peter Navarro. The intentions of one of this leader’s initiatives are disputed in the String of Pearls theory. This leader has been criticized for putting (*) Uyghur Muslims into “re-education camps.” The Belt and Road Initiative is being pursued by this leader, and this leader has banned Winnie the Pooh due to comparisons to this leader. For 10 points, name this president of the People’s Republic of China.**

ANSWER: **Xi** Jinping <GP, Current Events> {Other, Current Events}

16. **In one story by this author, the protagonist pretends to be a friend of Picasso while he is employed in Mr. Yoshoto’s art academy. This author wrote a story about a girl who repeats the Jesus prayer in an attempt to “internalize” it. A story by this author of “De Daumier-Smith’s Blue Period” begins with a phone call in which a woman’s mother warns her about her husband while they stay in a (*) hotel by the beach. In a story by this author, a man kisses the foot of a young girl on the beach after describing the title creatures to her. Later, that character, Seymour, shoots himself while Muriel sleeps on a hotel bed next to him. For 10 points, name this American author of “Franny and Zooey,” “A Perfect Day for Bananafish,” and other stories about the Glass family.**

ANSWER: J. D. **Salinger** [accept Jerome David **Salinger**] <ML, Short Fiction> {Literature, Short Fiction/Other}

17. **NMO serves as a sacrificial catalyst to promote this type of reaction, and substances that are passivated are protected from this sort of reaction. Potassium dichromate strongly promotes this type of reaction, which occurs three times in the Ostwald process to synthesize nitric acid from (*) ammonia. Reactions with a negative standard potential undergo this type of reaction, and in a general electrochemical cell, this type of reaction occurs at the anode, leading to an increase in its namesake state. For 10 points, name this class of reactions where a reactant loses electrons and is generally contrasted with reduction.**

ANSWER: **oxidation** <CT, Chemistry> {Science, Chemistry}

18. **In the third movement of this work, a clarinet uses longer notes to echo a piano’s “honky tonk” theme in sixteenth notes. That movement was omitted from this work’s orchestration, making the remaining “Four Dance Episodes” resemble symphonic form. This ballet’s final movement features xylophone and woodblock and quotes the folk song (*) “Bonaparte’s Retreat.” Strings play open fifths to imitate tuning at the beginning of this ballet’s fourth movement, “Saturday Night Waltz,” which precedes the “Hoe-Down.” For 10 points, name this ballet depicting the Cowgirl and Champion Roper at the title western event, by Aaron Copland.**

ANSWER: **Rodeo** <WZ, Other Auditory Arts> {Fine Arts, Other Fine Arts}

19. **One legend claimed that this pharaoh was born in a lion’s den, and this pharaoh’s mortuary temple is known as Djoser-Djeseru. This pharaoh ordered the construction of twin obelisks for the Temple of Karnak. The aforementioned mortuary temple for this pharaoh at Deir el-Bahari complex contains myrrh trees, which, along with frankincense, were transported to Egypt following a trading expedition led by this pharaoh to the Land of (*) Punt. Mentions of this pharaoh’s name were destroyed by her successor Thutmose III as part of an effort to erase her from history. For 10 points, name this female pharaoh from the 18th dynasty.**

ANSWER: **Hatshepsut** <GP, Ancient/Other History> {History, Ancient/Other History}

20. **This philosopher showed that an earlier philosopher's concept of imaginary objects "subsisting" violated the law of contradiction. This philosopher argued that names only have "reference," rejecting the idea of "sense" proposed by Frege. This philosopher attempted to resolve the truth value of statements like "the (*) present king of France is bald" in his essay "On Denoting." The burden of proof lies on believers of unfalsifiable claims according to this philosopher's namesake hypothetical teapot, and he had earlier criticized organized religion in his essay "Why I Am Not a Christian." For 10 points, name this philosopher who, with Alfred Whitehead, attempted to axiomatize mathematics in *Principia Mathematica*.**

ANSWER: Bertrand **Russell** <SL, Philosophy> {Thought, Philosophy}

Bonuses

1. Answer some questions about weebes, or white people who collaborated heavily with Japanese people, in chemistry. For 10 points each:

[10] This man shared the 2010 Nobel Prize in Chemistry with Suzuki and Negishi for his work developing palladium catalyzed cross coupling reactions. His namesake coupling reacts an alkene with an alkyl halide.

ANSWER: Richard **Heck**

[10] Ryoji Noyori and William Knowles developed a method to conduct this reaction asymmetrically. This reaction converts unsaturated fats to saturated fats and involves the addition of its namesake molecule across a double bond.

ANSWER: **hydrogenation**

[10] Hideki Shirakawa shared the 2000 Nobel Prize in Chemistry with two American chemists for their development of the conducting type of these materials. This general class of materials is made up of many monomers.

ANSWER: **polymers** <CT, Chemistry> {Science, Chemistry}

2. One poem by this author calls Miguel de Cervantes “a faithful friend, and none so true as he.” For 10 points each:

[10] Name this poet who founded *modernismo*. He called Theodore Roosevelt an “Alexander-Nebuchadnezzar” and a “professor of energy” in a poem that discusses a “deep tremor” passing through the “enormous vertebrae of the Andes.”

ANSWER: Rubén **Darío**

[10] Theodore Roosevelt was most famous for holding this post. In “Spanish As Experienced by a Native Speaker,” John Olivares Espinoza describes a *cuarta* with George Washington, a holder of this office.

ANSWER: **President** of the United States [accept obvious equivalents]

[10] In "To Roosevelt," Darío hopes to reach Roosevelt with "the voice of the Bible" or the "verse of" this poet. This poet compared a president to a "great star early droop'd" in one of his own poems.

ANSWER: Walt **Whitman** [the poem is “When Lilacs Last in the Dooryard Bloom'd”] <AMB, Non-Epic Poetry> {Literature, Non-Epic Poetry}

3. In his Three Essays on the Theory of Sexuality, Sigmund Freud described this type of behavior as “unconscious forces”, which are the opposite of neuroses. For 10 points each:

[10] Name this general class of behaviors which differ from the normal behaviors expected in society. Freud defined pedophilia and bestiality as a subset of this class of behaviors.

ANSWER: **perversions** [accept **deviancy** or **paraphilia**]

[10] This controversial French psychoanalyst redefined perversions as a clinical structure instead of a deviation from sexual norms. He wrote the essay “Kant with Sade” about sexual deviance in his *Écrits*.

ANSWER: Jacques **Lacan**

[10] The fifth edition of this work includes a section dedicated to “paraphilic” disorders, reflecting the recent move to re-classify perversion as paraphilia. Until 1974, it controversially included homosexuality as a mental disorder.

ANSWER: **Diagnostic and Statistical Manual of Mental Disorders** <AN, Social Science> {Thought, Social Science}

4. Answer the following about the history of paper money. For 10 points each:

[10] Paper money was first used during the reign of this Chinese dynasty. Kublai Khan's forces defeated this dynasty at the Battle of Yamen, and the succeeding Yuan Dynasty continued to utilize paper money.

ANSWER: **Song** Dynasty

[10] Gaykhatu, ruler of this Mongol successor state based from Iran, tried introducing paper money to his realm, only to get strangled to death with a bowstring. This state was founded by Hulagu Khan, and its ruler Ghazan converted it Muslim.

ANSWER: **Ilkhanate**

[10] This European country was the first to print paper money, doing so from its central bank during the reign of Carl Gustaf. That central bank was based out of this country's capital at Stockholm.

ANSWER: Kingdom of **Sweden** <GP, World History> {History, World History}

5. This artist placed televisions in front of the Buddha in so-called "TV Buddha" installations. For 10 points each:

[10] Name this Korean artist. This artist is more famous for a work at the Smithsonian in which televisions are placed inside neon borders that represent the American states, *Electronic Superhighway*.

ANSWER: Nam June **Paik** ["**NAM JOON PAYK**"]

[10] Nam June Paik was one of the pioneers of an art form prefixed by this word which prominently features televisions. MTV's inception began with a song about how this medium "killed the Radio Star."

ANSWER: **video** [accept **video** art or "**Video** killed the Radio Star"]

[10] Richard Hamilton, a member of this art movement, used a television playing a Margaret Thatcher speech for his piece *Room 12*. Another pioneer of this art movement used Benday dots in works such as *Drowning Girl*.

ANSWER: **pop** art [The second artist is Roy Liechtenstein.] <HP, Other Visual Arts> {Fine Arts, Other Fine Arts}

6. Answer the following about pilot wave theory, for 10 points each:

[10] Pilot wave theory was first posited by this physicist. This French physicist proposed wave-particle duality, and his namesake wavelength is the ratio between Planck's constant and a particle's momentum.

ANSWER: Louis **de Broglie** ["**day BRO-lee**"]

[10] Pilot wave theory is a hidden variable theory, which means it must violate locality to describe quantum mechanics according to this theorem. Berkeley professor Henry Stapp called this theorem "the most profound discovery of science."

ANSWER: **Bell's** theorem [or **Bell's** inequality]

[10] Bell's theorem was initially described in a paper analyzing a paradox co-discovered by this physicist who had developed the equation $E=mc^2$ ["**E equals m c squared**"] several years earlier.

ANSWER: Albert **Einstein** <DB, Physics> {Science, Physics}

7. The Burlingame Treaty was largely reversed by this law, which sought to prohibit the entry of "skilled and unskilled laborers...employed in mining." For 10 points each:

[10] Name this 1882 act that prevented all immigration of an ethnic group that had threatened the economy of California. It would be repealed by the Magnuson Act during World War II.

ANSWER: **Chinese Exclusion** Act

[10] The Act meant that many Chinese were detained or turned away at Angel Island, an immigration center in this city. Chinese-Americans flocked to this city during the 1849 California Gold Rush.

ANSWER: **San Francisco**

[10] The Chinese Exclusion Act led to the rise of these gangs of Chinese-Americans in San Francisco and other cities. The Hop Sing and Suey Sing, two of these gangs, fought each other in a bloody 1880s war.

ANSWER: **Tongs** <WZ, American History> {History, American History}

8. This leader stated in May 2019 that new negotiations with the U.S. were a “poison.” For 10 points each:

[10] Name this man whose tenure as Supreme Leader of his country saw the signing of the Joint Comprehensive Plan of Action. This man succeeded Ruhollah Khomeini in 1989 as leader of his country.

ANSWER: Ayatollah Ali Hosseini **Khamenei** [do not accept or prompt on “Ayatollah Khomeini”]

[10] Khamenei is the Supreme Leader of this country. Tensions between this country and the U.S. boiled after alleged attacks on tankers in the Gulf of Oman and the shooting down of a U.S. drone by this country.

ANSWER: Islamic Republic of **Iran**

[10] This branch of the Iranian military was responsible for shooting down the drone, and was designated as a terrorist organisation by the U.S. since April 2019. This branch’s Chief Commander is Hossein Salami.

ANSWER: Islamic **Revolutionary Guard** Corps [accept **IRGC**] <GP, Current Events> {Other, Current Events}

9. This philosopher was criticized in the first volume of *The Open Society and its Enemies*. For 10 points each:

[10] Name this philosopher, whose historicism, social engineering, and supposedly totalitarian tendencies were described in a work titled “The Spell of” him.

ANSWER: **Plato**

[10] This philosopher criticized Plato, along with Hegel and Marx, in his *The Open Society and its Enemies*. He also posited that falsifiability is the distinguishing feature of science.

ANSWER: Karl Raimund **Popper**

[10] Popper was a supporter of this form of government, which he claimed Plato was attempting to resist in its birthplace of Athens.

ANSWER: **democracy** <SL, Philosophy> {Thought, Philosophy}

10. One of these beings named Kraken dresses up as a dragon to steal their wealth. For 10 points each:

[10] Name these creatures, which are central to a novel in which “The Lord” sends Mael to baptize them. Their history is chronicled by the monk Johannes Talpa in a novel titled for them written by the author of *Revolt of the Angels* and *The Gods are Athirst*.

ANSWER: **penguins** [or great **auks**; accept **Penguin Island**]

[10] One important historical event for the penguins of Penguinia is the rise of Draco the Great, who is equated with this real-life person. In an epic poem, this figure’s nephew Roland blows an oliphant to rally troops against Muslims.

ANSWER: **Charlemagne** [or **Charles I** or **Charles the Great**; prompt on partial answers; the epic poem is *The Song of Roland*.]

[10] *Penguin Island* was written by an author with this last name. That author shares his last name with this country, which was also the birthplace of his compatriot Emile Zola.

ANSWER: **France** [accept Anatole **France**] <HP, Long Fiction> {Literature, Long Fiction}

11. Kidnappings were surprisingly common occurrences in 20th century Europe. For 10 points each:

[10] In 1945, German forces under Otto Skorzeny kidnapped the son of this Hungarian admiral during Operation Panzerfaust. This leader banned the rival Arrow Cross Party, which was led by Ferenc Szalasi [“**sha-la-see**”].

ANSWER: Miklos **Horthy** de Nagybanya [or Nicholas **Horthy**]

[10] The most infamous incident in the Years of Lead was the kidnapping and assassination of this Prime Minister of Italy by the Red Brigades terrorist group.

ANSWER: Aldo **Moro**

[10] The “Disappeared” were sixteen missing persons who were suspected to have been kidnapped and murdered during the Troubles, which was fought between Irish Republicans and British soldiers in this British constituent country.

ANSWER: **Northern Ireland** [do not prompt or accept “Ireland”] <SL, European History> {History, European History}

12. This distribution is one special case of the negative binomial distribution. For 10 points each:

[10] Name this distribution that describes the probability that the first success occurs on a given trial, sampling with replacement.

ANSWER: **geometric** distribution

[10] Geometric distributions are often defined in terms of these entities. They are trials with exactly two outcomes, a success or a failure.

ANSWER: **Bernoulli** trials

[10] The variance of a geometric distribution with parameter p is this expression, sometimes denoted q , divided by p squared. For an event with probability p , this is the probability that the event does *not* happen.

ANSWER: **$1 - p$** ["one minus p"] <SL, Math> {Science, Mathematics}

13. Jacques Arcadelt was known for popularizing this form, and Claudio Monteverdi wrote 9 books of works in this form. For 10 points each:

[10] Name this musical style consisting of multiple singers, typically without instrumental accompaniment. It is contrasted with the more religious motet form.

ANSWER: **madrigals**

[10] Madrigals were especially popular in this musical time period. This period, which precedes the Baroque Era, also shares its name with an intellectual "rebirth" of Europe.

ANSWER: the **Renaissance**

[10] This English Renaissance composer was known for transforming the repertoire for the lute, such as in his collection *Lachrimae*. This composer is best known for his lute song "Flow, my tears."

ANSWER: John **Dowland** <AN, Auditory Fine Arts> {Fine Arts, Auditory Fine Arts}

14. Answer some things about Jainism, for 10 points each:

[10] Jains adhere to this strict practice of nonviolence. As a result, most of them are vegetarians and some even take lengths to avoid killing insects.

ANSWER: **ahimsa**

[10] In Jainism, this term, which literally means "ford-maker", refers to the twenty-four saviors and spiritual teachers who have broken samsara, or the cycle of life and death. The last of these people was Mahavira.

ANSWER: **tirthankaras**

[10] One symbol of Jainism is an upright hand with one of these objects on its palm. The dharmachakra is another one of these objects and can be represented with 8, 12, or 24 spokes.

ANSWER: a **wheel** <SZ, Religion> {Beliefs, Religion}

15. One character with this name is told that his son with this name is dead after being stabbed on the front of his body. For 10 points each:

[10] Give this name of two characters, one of whom declares, "Why then, God's soldier be he!" after his son is killed. The younger character with this name is described as an "unrrough youth" who "protests [his] first of manhood."

ANSWER: **Siward** [accept Young **Siward**]

[10] Two men named Siward appear in this bloody Shakespeare tragedy also called *The Scottish Play*. At the end of this play, Macduff kills the title character, who became king after killing Duncan.

ANSWER: *The Tragedy of* **Macbeth**

[10] Donalbain and this other son of Duncan flee from Scotland after discovering their father's death. At the end of *Macbeth*, this character is crowned king.

ANSWER: **Malcolm** <KL, Drama> {Literature, Drama}

16. This man fell from power after being overthrown by Blaise Compaore, who had been part of his jazz band Tete a Coup [“tet-a-coo”]. For 10 points each:

[10] Name this 1st President of Burkina Faso who, among other actions, changed the name of his country from Upper Volta. He famously replaced the country’s fleet of Mercedes-Benzes with Renaults.

ANSWER: Thomas Isidore Noel **Sankara**

[10] Thomas Sankara and his idol, Che Guevara, both belonged to this school of communism. In the Soviet Union, this school was fused with Leninism.

ANSWER: **Marxism**

[10] One theory posits that Thomas Sankara may have been assassinated by Charles Taylor, who led this country during its civil war. This country was the first in Africa to elect a woman as its head of state.

ANSWER: **Liberia** <AN, World History> {History, World History}

17. The majority of this island’s population is of Malaysian Chinese descent. For 10 points each:

[10] Name this Australian island in the Indian Ocean with capital at Flying Fish Cove. This island is also known for the mass migration of its red crabs.

ANSWER: **Christmas** Island

[10] Another Christmas Island is located in this one of the three major regions of Oceania along with Melanesia and Polynesia. Christmas Island is a part of a country called “Federated States of” this region.

ANSWER: **Micronesia**

[10] The New Year Group of islands off the coast of this Australian island state also has a Christmas Island. Endemic species to this Australian island state include its eponymous devil and a now extinct tiger.

ANSWER: **Tasmania** <GP, Geography> {Other, Geography}

18. A process used to visualize these molecules involves gel electrophoresis followed by transfer to a membrane and antibody binding. For 10 points each:

[10] Name this class of biomolecules that can be visualized using a western blot. They are polymers of amino acids linked with peptide bonds.

ANSWER: **proteins** [prompt on polypeptides]

[10] In a western blot, the step after membrane transfer is performing this process, which prevents antibodies from binding to non-specific sites. Solutions used in this process include BSA or dry milk in TBS.

ANSWER: **blocking**

[10] The membrane used in western blotting can be PVDF or the cheaper but less sturdy nitrated form of this compound. This compound is a polysaccharide of glucose with beta 1-4 linkages.

ANSWER: **cellulose** [accept nitrocellulose] <KL, Biology> {Science, Biology}

19. This author described Peyton Loftis’s suicide in his novel *Lie Down in Darkness*. For 10 points each:

[10] Name this American author. At the end of one of this author’s novels, the writer Stingo finds that two characters have killed themselves with cyanide.

ANSWER: William **Styron**

[10] In Styron’s novel *Sophie’s Choice*, Sophie is forced to pick between her children upon arriving at one of these locations. Jewish author Elie Wiesel [“wee-SELL”] wrote the memoir *Night* about his time in one of these locations in Poland during World War II.

ANSWER: **concentration camps** [accept specific concentration camps, like **Auschwitz** or **Buchwald**; prompt on camps]

[10] This historical fiction novel by Styron was criticized for its portrayal of black people. Its title character falls for Margaret Whitehead before being sent to jail.

ANSWER: *The **Confessions of Nat Turner*** <AMB, Long Fiction> {Literature, Long Fiction}

20. Answer some questions about Spanish painter Francisco de Zurbarán, for 10 points each:

[10] Many of Zurbarán's paintings are in a Spanish genre of still life called bodegones, which includes this other Spanish painter's work, *The Waterseller of Seville*. This artist worked with Zurbarán under Francisco Pacheco.

ANSWER: Diego **Velázquez**

[10] Zurbarán used so much chiaroscuro that he was sometimes called the Spanish version of this Italian painter. This painter's strong chiaroscuro is exemplified by paintings like *The Calling of St. Matthew*.

ANSWER: Michelangelo Merisi da **Caravaggio**

[10] Zurbarán's *Agnus Dei* depicts one of these animals bound by the feet. Blood from one of these animals gushes into a golden chalice in an "Adoration" of a "Mystic" one of these animals in the bottom center panel of the *Ghent Altarpiece*.

ANSWER: a **lamb** [accept **sheep**] <AMB, Visual Fine Arts> {Fine Arts, Visual Fine Arts}