CALISTO: California Spring Tournament 2020

Packet 5 Tossups

1. **This leader defeated an army under Cassivellaunus during the second of two unsuccessful invasions of a territory this leader would never conquer. At the Lucca Conference, this man directed his allies to run for the consulship and, in return, extend his governorship by another five years. This commander constructed numerous encircling fortifications in order to besiege an army under (*)** Vercingetorix at the Battle of Alesia. This man's senior legate Titus Labienus betrayed him after this man said "the die has been cast" and crossed the Rubicon. At the Battle of Pharsalus, this man defeated his rival Pompey. For 10 points, name this dictator of Rome who was assassinated on the Ides of March.
ANSWER: Gaius Julius **Caesar**
<Ancient/Classical History — Ma> [Ed. Athreya]

2. **Soldiers find the body of a farmer turned rebel general still aiming his gun at the end of a novel from this country. A recipe from this country begins each section of a novel in which Tita expresses her emotions through cooking. A character lies to Teresa and Catalina about the location of his will in a novel from this setting of *The Underdogs* and (*)** *Like Water for Chocolate*. Thoughts on the deathbed of a business tycoon from this country are described in *The Death of Artemio Cruz*. Another novel describes the disappearance of Ambrose Bierce during this country's revolution. For 10 points, name this home country of Mariano Azuela, Laura Esquivel, and Carlos Fuentes.
ANSWER: **Mexico** [or **United Mexican States** or **Estados Unidos Mexicanos**; do NOT accept or prompt on "Estados Unidos"]
<Long Fiction — Schwartz> [Ed. French]

3. **For a general bound system, the effective form of this quantity is the second-order coefficient of the Taylor expansion of potential energy about a local minimum. When modelling continuous materials in the linear elastic region, this extensive quantity can be replaced by an intensive analog that maps stress to strain. That analog of this quantity is (*)** Young's modulus. The square of the frequency of a simple harmonic oscillator equals the quotient of this quantity and mass. The restoring force of this quantity's namesake device equals negative this constant times displacement. For 10 points, name this constant denoted k that appears in Hooke's law.
ANSWER: **spring constant** [or **stiffness**; accept effective **spring constant**; accept **spring** after "constant"; accept **Hooke**'s law **constant** before "Hooke's law"; prompt on k before "k"; prompt on Young's modulus before "Young"; prompt on elastic modulus or elasticity before "elastic"]
<Physics — French> [Edited]

4. **After this god loses a bet for his head, he saves himself from decapitation by pointing out that he never bet his neck. In a section of the *Poetic Edda* titled for his "quarrel," this deity insults every god and goddess until a god threatens to smite him. This god loses an eating contest to a similarly-named personification of (*)** fire while accompanying Thor on a journey to Jotunheim. This god transforms into a mare and gives birth to the eight-legged horse Sleipnir, and he tricks the blind god Hodr into throwing a spear of mistletoe to bring about the death of Baldr (ball-der). For 10 points, name this Norse trickster god.
ANSWER: **Loki**
<Mythology — French> [Edited]

5. **A queen of this name founded the Sorbonne's** ("sore-bun's") **College of Navarre** (nuh-VAHR)**. In an English folk ballad, a "lovely" girl with this name steals a gold ring and a "milk-white steed" from a man who had attempted to seduce her. A mythical pope with this first name was stoned to death after giving birth during a procession. Legendarily, a saint with this name was visited by (*)** Michael, St. Margaret, and St. Catherine, in her father's garden. That woman with this first name was captured by the Burgundian faction during the Hundred Years' War and burned at the stake as a witch. For 10 points, give this first name of the French heroine who broke the siege of Orleans.
ANSWER: **Joan** [or **Joana** or **Jeanne** or **Ioannes**; accept "**Lovely Joan**" or **Pope Joan** or **Joan of Arc** or **Jeanne d'Arc**]
<Mixed/Other — French> [Edited]

6. **The covariance between a given trait and this quantity is central to the Price equation. The rate of increase in this quantity is proportional to population variance according to Fisher's fundamental theorem. Kin selection increases the "inclusive" form of this quantity. (*)** Landscapes of this quantity can be used to model the relationship between genotype and reproductive success. This quantity, which is equal to zero for sterile animals, increases when natural selection occurs. For 10 points, name this measure of an organism's ability to survive and reproduce in a given environment.
ANSWER: **fitness**
<Biology — Bandara> [Edited]

7. **In this modern-day country, a pair of man-eating lions interfered with a project to construct a railroad. The White Highlands in what is now this country were set aside exclusively for European settlement. The Kapenguria Six were arrested during a conflict in this modern-day country, which also saw the British construct "protected villages" to detain civilians. Dedan Kimathi led the (*)** Mau Mau rebellion in this country shortly before its independence from Britain. Kikuyu farmers lost their land to the British in, for 10 points, what east African country whose first prime minister was Jomo Kenyatta?
ANSWER: Republic of **Kenya** [or Jamhuri ya **Kenya**]
<African History — Shahriar> [Ed. Athreya]

8. **Satirical composer Peter Schikele** (SHIK-a-lee) **"rediscovered" pieces by a son of this composer named "Pretty Damned Quick." A D minor chaconne** (chah-CUN) **ends the second of six sonatas and partitas this composer wrote for solo violin. In one collection, this composer wrote a six-voice fugue on a *theme regium*. Pairs of viola de braccio and de gamba replace the violins in a concerto by this composer of The (*)** *Musical Offering*. An extended harpsichord cadenza features in the fifth of six instrumental concertos this composer wrote for Margrave Christian Ludwig. For 10 points, name this baroque composer of the *Brandenburg Concertos*.
ANSWER: **Johann Sebastian Bach** [or **J. S. Bach**; prompt on Bach or Johann Bach; do NOT accept or prompt on other Bachs like "Johann Christian Bach" or "Carl Philip Emmanuel Bach"]
<Classical Music — Gurazada> [Ed. Ma]

9. **One section of this text addresses a figure as the "Master of the Day of Judgement." Another section of this text describes a group of seven young men who sleep for 309 years in a cave. Anyone who has memorized this text completely is called a *hafiz*. This text describes two events known as Isra and Mi'raj, collectively referred to as the (*)** Night Journey. The revelation of this text occurred near the Cave of Hira. The Throne Verse is part of this text's second chapter, which is called "The Cow." Except for one, all of the suras of this text begin with the word *bismillah*. For 10 points, name this holy book of Islam.
ANSWER: the **Quran** [or **Qur'an** or **Koran**]
<Religion — Athreya/Venkateswaran> [Ed. Dai]

10. **This author described the "close bosom-friend of the maturing sun" in a poem addressed to a "season of mists and mellow fruitfulness." A later poet honored this author in a poem in which this author's "soul… like a star / Beacons from the abode where the eternal are." This author of (*)** "To Autumn" was the dedicatee of an elegy by Percy Shelley called "Adonais." This author observed that "Heard melodies are sweet, but those unheard / Are sweeter" in a poem addressed to a "foster-child of silence and slow time." That poem declares that "beauty is truth, truth beauty." For 10 points, name this British Romantic poet of "Ode on a Grecian Urn."
ANSWER: John **Keats**
<Poetry — Schwartz> [Ed. French]

11. **A song titled after this musician oddly transitions from a B major chord to an F minor-7 on the lyrics "They can feel it all over." This musician, who is called "Sir" in the title of a song by Stevie Wonder, collaborated with his trombonist Juan Tizol on the songs "Caravan" and "Perdido." This musician's band was succeeded by Cab Calloway's band at the (*)** Cotton Club. This pianist, who often collaborated with Billy Strayhorn, composed the standards "Mood Indigo" and "It Don't Mean a Thing." For 10 points, name this swing-era bandleader whose orchestra often performed "Take the 'A' Train."
ANSWER: Duke **Ellington**
<Jazz — French> [Edited]

12. **This author wrote "A beautiful and silent Sphinx has watched me" in a poem dedicated to Marcel Schwob. A character in a play by this author claims that losing *both* parents "looks like carelessness." In a play by this author, Lord Darlington is suspected of having an affair with Mrs. Erlynne, who turns out to be the title character's mother. In a play by this author, a character who loves (*)** cucumber sandwiches claims to be "bunburying" when he wants to avoid social interactions. In that play, Algernon Moncrieff and Jack Worthing take on the same alias. For 10 points, name this gay Irish playwright of *Lady Windermere's Fan* and *The Importance of Being Earnest*.
ANSWER: Oscar **Wilde**
<Drama — Iyer> [Ed. Schwartz]

13. **The behavior of ideal varieties of these substances can be described by the Thiele** (THEEL) **modulus. Those "perfect" varieties of these substances are limited only by the rate of diffusion. Metallic examples of these substances, such as Raney nickel, often function through <u>ad</u>sorption. These substances can be classified as (*)** homogeneous or heterogeneous depending on their phase relative to their substrate. The action of these substances can be represented as a reduction in the height of the peak on a reaction energy profile diagram. Biological variants of these substances are called enzymes. For 10 points, name these substances that lower activation energy and increase reaction rate.
ANSWER: **catalyst**s [accept perfect **catalyst**s]
<Chemistry — Schwartz> [Ed. Gurazada]

14. **Kathy Alice Drew represented one side in a Supreme Court case regarding these things. In a photograph taken by Stanley Forman, an angry Joseph Rakes uses one of these things to attack lawyer Ted Landsmark. Michael Strank, Frank Sousley, and Harlan Block died shortly after taking a picture with one of these things. The Supreme Court case (*)** *Texas v. Johnson* concerned free speech as it relates to the burning of this symbol. The most famous picture taken by Joe Rosenthal depicts this symbol being raised on Iwo Jima. For 10 points, *The Soiling of Old Glory* depicts the desecration of what symbol first created by Betsy Ross?
ANSWER: **US flag**s [or **United States flags** or **American flags** or the **Stars and Stripes** or **Old Glory**; prompt on <u>flag</u>s]
<US History — Iyer> [Edited]

15. **Paul Cezanne remarked that this artist "is only an eye… but what an eye!" This artist's paintings are displayed in two specially constructed oval rooms at the Musée de l'Orangerie** (loh-RON-juh-ree)**. While staying at St. Thomas' Hospital, this artist painted the series *Houses of Parliament* at different times of day. Louis Leroy** (le-RWAH) **coined the name of this artist's movement after viewing his painting of a morning in (*)** Le Havre (luh AHV). At the end of his life, this artist painted a series of yellow and white flowers under a Japanese footbridge in Giverny (zhee-vair-NEE). For 10 points, name this French artist of *Impression, Sunrise* and many paintings of water lilies.
ANSWER: Claude **Monet**
<Painting — Li> [Ed. Malouf]

16. **Roger Fenton depicted this war in a photograph whose title quotes from Psalm 23. During this war, a woman developed a namesake "rose diagram" while working at the Selimiye** (sel-im-i-ye) **Barracks. Colin Campbell's 93rd Sutherland Highlanders became known as the Thin Red Line after repulsing a cavalry charge during a battle in which gunners attacked Malakoff Redoubt. This war's (*)** Siege of Sevastopol included the Battle of Balaclava and the Charge of the Light Brigade. A nurse in this war became known as the "lady with the lamp." For 10 points, Florence Nightingale served in what war in which the Russian and Ottoman empires fought over a peninsula in the Black Sea?
ANSWER: **Crimea**n War
<European History — Shahriar> [Ed. Iyer]

17. **According to satellite evidence, over two dozen religious sites set up by these people, like the Imam Asim shrine, were destroyed between 2016 and 2018. The New York Times published secret speeches made in 2014 that urged "absolutely no mercy" for these people. Some of these people incited July 2009 riots in the autonomous region named after these people. That region, sometimes referred to as East (*)** Turkestan, has its capital at Ürümqi (oo-ROOM-chee). Hundreds of thousands of these people, who are mostly Muslim, have been forced into internment camps in the Xīnjiāng region of China. For 10 points, name this persecuted Chinese ethnic minority.
ANSWER: **Uyghur**s [or **Uighur**s or *Wéiwúěr*s; prompt on Muslims or Chinese people or Chinese Muslims]
<Current Events — Dai> [Ed. Gray]

18. **A technique businesses use to prevent this action is colloquially referred to as a "poison pill." People targeted by this action may be protected with a "golden parachute." Michael Milken introduced high-yield "junk" bonds to finance this action, leading to so-called "raiders" performing it in the 1980s. This action may be preceded by a (*)** tender offer. This action is termed "horizontal" if it involves competing companies, while if it is done against the wishes of the board of directors, it is called "hostile." Companies operating in different business areas perform this action to conglomerate. For 10 points, name this general action in which one company buys or joins another company.
ANSWER: **mergers** and **acquisitions** [accept **mergers** or **acquisitions** or **M and A** or **takeover** or hostile **takeover** or **buyout** or leveraged **buyout** or **consolidation** or horizontal **merger**; accept **conglomeration** before "conglomerate"; prompt on integration or horizontal integration; prompt on firings or layoffs or dismissals or contract termination by asking "Those dismissals are due to what previous action?"]
<Economics — Shi> [Ed. French]

19. **In this work, a character formerly known as "Golden Cicada" is repeatedly attacked because his flesh is said to have restorative properties. A character in this work urinates on a bronze pillar before discovering that it is actually a finger. An abridged translation of this work by Arthur Waley refers to two of its characters as (*)** "Sandy" and "Pigsy." A character in this work is imprisoned under Mount Wǔháng for 500 years after he is unable to escape the Buddha's palm. That character accompanies a monk named Xuánzàng (shwen-zong) on a quest to obtain Buddhist holy texts. For 10 points, name this classic Chinese novel in which the Monkey King Sun Wukong travels to India.

ANSWER: *__Journey to the West__* [or *__Xī Yóu Jì__*]

<Long Fiction — Schwartz> [Edited]

20. **When two of these objects merge with each other, they may form a kilonova. The crust and mantle of these objects is predicted to contain degenerate matter called nuclear pasta. These objects form when the inward force of gravity is strong enough to overcome electron degeneracy pressure, which occurs at masses *greater* than the (*)** Chandrasekhar (st chohn-druh-SHAY-kar) limit. The lighthouse model explains how rapidly rotating examples of these objects appear as periodic radio sources called pulsars. These stars are more dense than white dwarfs. For 10 points, name these extremely dense stars primarily composed of a namesake uncharged subatomic particle.

ANSWER: __neutron star__s [prompt on __star__s before "star"; prompt on __pulsar__s before "pulsar"; accept just __neutron__ after "star;" do NOT accept or prompt on "neutron" before "star"]

<Astronomy — Schwartz> [Ed. French]

Packet 5 Bonuses

1. The number of these entities within a given energy level is given by the multiplicity, represented by a capital omega. For 10 points each:
[10] Name these entities, which are any unique and specific configurations of a thermodynamic system.
ANSWER: **microstate**s
[10] This quantity can be defined as Boltzmann's constant times the natural logarithm of the number of microstates. This quantity is usually symbolized S and is often interpreted as the amount of disorder in a system.
ANSWER: **entropy**
[10] Three-halves Boltzmann's constant times this quantity gives the average kinetic energy for a particle in a monatomic ideal gas.
ANSWER: **temperature** [accept **temp**; prompt on T]
<Physics — Gurazada> [Edited]

2. Three of these sounds, represented by the English letters "p", "t", and "k," are present in almost all languages. Furthermore, almost all languages with exactly three of these sounds have those exact three. For 10 points each:
[10] Name these consonants created by completely restricting the passage of air.
ANSWER: **stop** consonants [or **plosive**s or oral **occlusive**; prompt on obstruent]
[10] In this language, a glottal stop may be represented by the letter *hamza*. The Spanish words "ojalá" (o-ha-LA) and "ajedrez" (ah-hay-dreise) originate from this language, which has the second greatest influence on Spanish after Latin.
ANSWER: **Arabic**
[10] A glottal stop is an allophone of the "t" phoneme in the Cockney dialect of this other language. A prestige dialect of this language is known as Received Pronunciation or as "the Queen's" variant of this language.
ANSWER: **English** [accept British **English**]
<Linguistics — French> [Ed. Gray]

3. A poem about one of these events describes "blood on the leaves and blood at the root" while the "scent of magnolia" hangs in the air. For 10 points each:
[10] Name these events. A sheriff in the James Baldwin story "Going to Meet the Man" finds that he does not have erectile dysfunction after he witnesses one of these events.
ANSWER: **lynching**s [prompt on killing or murder or other near-synonyms] (The poem is "Strange Fruit," written by Abel Meeropol and sung by Billie Holliday.)
[10] Baldwin criticised this author for portraying Bigger Thomas as a stereotypical violent black man in the essay "Everybody's Protest Novel." This author wrote about his involvement with the Communist Party in his autobiographical novel *Black Boy*.
ANSWER: Richard **Wright** [or Richard Nathaniel **Wright**] (The collection is titled *Notes of a Native Son*.)
[10] "Everybody's Protest Novel" also criticizes this author's novel *Uncle Tom's Cabin* for being overly sentimental, and for implying that the key to resisting evil men like Simon Legree is to pray to a white god instead of act.
ANSWER: Harriet Beecher **Stowe**
<Other Literature — Schwartz> [Edited]

4. One composer from this country used recordings of bird songs in his *Cantus Arcticus*. For 10 points each:
[10] Name this home country of Eino Rautavaara and the director of the San Francisco Symphony, Esa-Pekka Salonen. A cor anglais ("core" on-GLAY) solo represents a mythical swan in an adaptation of this country's national epic.
ANSWER: **Finland** [or Republic of **Finland** or **Suomi**]
[10] That cor anglais solo is from this Finnish composer's *Lemminkäinen* (LEM-min-kay-nen) *Suite*. His other nationalistic compositiosn include *Finlandia* and the *Karelia Suite*.
ANSWER: Jean **Sibelius** [or Johan Julius Christian **Sibelius**]
[10] Sibelius's seventh symphony unusually has this many movements instead of the standard four. Danish composer Carl Nielsen's clarinet concerto also has this many movements.
ANSWER: **one** [or **1**; accept **single** movement]
<Classical Music — Gurazada> [Ed. Ma]

5. This commander once won a battle against a large opponent force by bribing enemy Kipchaks, defeating the rest of the force, and then slaughtering the Kipchaks' troops and stealing their baggage train. For 10 points each:
[10] Name this undefeated military commander, known as a "dog" or noyan of Temüjin, who engineered victories at the battles of Mohi and the Kalka River.
ANSWER: **Subutai** [or **Subotai** or **Bagatur**]
[10] The Great Cavalry Raid, which was engineered by Subotai, encircled this body of water. Astrakhan lies on this largest lake in the world.
ANSWER: **Caspian** Sea
[10] Cumans who had earlier lost the Battle of the Kalka River moved to this kingdom, whose king Béla IV lost the battle of Mohi to Subotai. This kingdom was later ruled by Matthias Corvinus.
ANSWER: **Hungary** [or Kingdom of **Hungary** or **Magyarország** or **Magyar Királyság**]
<Asian History — Iyer> [Edited]

6. The narrator of this novel comments on his "judicious use of words" when he tells the reader that he "did what little had to be done" when, in reality, he removed evidence of a murder he committed. For 10 points each:
[10] Name this novel in which the unreliable narrator, Dr. James Sheppard, blackmails Mrs. Ferrars and then kills the title character.
ANSWER: The *Murder of Roger Ackroyd*
[10] The identity of Roger Ackroyd's murderer is found out by this detective, who had retired to the country to grow vegetable marrows. This Belgian frequently boasts of his "little gray cells."
ANSWER: Hercule **Poirot** [or **Hercule**]
[10] This author wrote many mystery novels featuring Hercule Poirot, including *The Murder of Roger Ackroyd*. Poirot determines that twelve people all conspired to murder Cassetti in this author's novel *Murder on the Orient Express*.
ANSWER: Agatha **Christie**
<Long Fiction — Venkateswaran> [Ed. French]

7. The first kind of numbers named after this mathematician counts permutations with a given number of cycles, while the second kind counts partitions into a given number of sets. For 10 points each:
[10] Name this mathematician. A formula named for this combinatoricist states that a certain function is asymptotic to "the square-root of 2 pi *n* times quantity *n* over *e* to the *n*th."
ANSWER: James **Stirling** [accept **Stirling** numbers of the first kind or **Stirling** numbers of the second kind or **Stirling**'s formula or **Stirling**'s approximation]
[10] Stirling's formula is an asymptotic formula for this function. This function equals the product of every integer from one to *n*.
ANSWER **factorial** [prompt on bang or exclamation mark or exclamation point]
[10] Stirling numbers of the second kind are notated analogously to binomial coefficients, but instead of large parentheses they are written with these symbols. When listed, the elements of a set are enclosed within these symbols.
ANSWER: curly **brace**s [accept **curly bracket**s or **flower bracket**s or **squiggly bracket**s; prompt on brackets]
<Math — Dai> [Ed. French]

8. While serving in Naples, this military leader ordered the execution of revolutionary leader Francesco Caracciolo (fran-ches-co ca-ra-chee-o-lo). For 10 points each:
[10] Name this commander who sent the signal "England expects that every man will do his duty" while aboard the HMS *Victory*.
ANSWER: Admiral Horatio **Nelson**, 1st Viscount Nelson
[10] Nelson sent that message during this naval battle during the Napoleonic War, where his forces defeated a combined Spanish and French fleet led by Admiral Villeneuve (vill-ah-noove). A square in London is named in honor of this battle.
ANSWER: Battle of **Trafalgar**
[10] Nelson held a telescope to his blind eye and declared that he saw no signal, disobeying Admiral Hyde Parker's orders to retreat at this battle. The British successfully blockaded the Dano-Norwegian fleet at this battle.
ANSWER: Battle of **Copenhagen**
<European History — Shahriar> [Ed. Iyer]

9. A building in this style has an ornamental roof resembling an 18th century cabinet. For 10 points each:
[10] Name this architectural movement pioneered by Robert Venturi and Denise Scott Brown. It is characterized by eclectic and humorous designs and is named for coming after the dominant style of the early 20th century.
ANSWER: **postmodern**ism [accept word forms; do NOT accept or prompt on "modern" or "modernism"]
[10] Venturi declared that "Less is a bore" in a parody of this architect's maxim "Less is more." This final director of the Bauhaus collaborated with Phillip Johnson on the Seagram Building.
ANSWER: Ludwig **Mies van der Rohe** [prompt on Mies]
[10] Venturi and Brown described modernist buildings as "dead ducks" in a book titled for "learning from" this city. This city is home to casinos like the Luxor and Caesar's Palace.
ANSWER: **Las Vegas**
<Architecture — Ma> [Ed. Malouf]

10. As a metaphor for feeling pressured to pump out hits, this singer wrote the lyrics "You can't start a fire without a spark / This gun's for hire / Even if we're just dancing in the dark." For 10 points each:
[10] Name this singer of "Dancing in the Dark," which ironically became one of seven top-10 singles on his album *Born in the U.S.A.* This singer from New Jersey is nicknamed "The Boss."
ANSWER: Bruce **Springsteen** [or Bruce Frederick Joseph **Springsteen**]
[10] This singer cited Springsteen's "sex Americana" as an influence for her album *Born to Die*. This singer "got my red dress on tonight / dancing in the dark / in the pale moonlight" in that album's single *Summertime Sadness*.
ANSWER: Lana **Del Rey** [or Elizabeth Woolridge **Grant**]
[10] The lyric "Give me reasons why we should be complete / You should be with him, I can't compete" is on this other singer's *Slow Dancing in the Dark*. This singer is signed with the 88rising label.
ANSWER: **Joji** [or George **Miller**; prompt on Filthy Frank or Pink Guy]
<Pop Culture — Gray> [Edited]

11. This tissue transports water through transpirational pull, and its constituent cells are dead. For 10 points each:
[10] Name this vascular plant tissue responsible for transporting water. This tissue is the counterpart of phloem.
ANSWER: **xylem**
[10] A theory of xylem function is named for involving surface tension and this phenomenon. Water exerts a force on itself in this phenomenon.
ANSWER: **cohesion** [accept **cohesion**-tension theory; prompt on capillary action; do NOT accept or prompt on "adhesion"]
[10] The most distinctive cells in xylem are vessel elements and these other cells, which have a very high surface area and lack perforation plates.
ANSWER: **tracheid**s
<Biology — Schwartz> [Ed. Gurazada]

12. For 10 points each, answer the following about the experimental art group Fluxus:
[10] The Fluxus artist Nam June Paik created art in this medium, such as a work depicting Charlotte Moorman playing the cello. Paik included a map of the United States made of neon lights in an early work in this medium titled *Electronic Superhighway*.
ANSWER: **video** art [or **video** installation]
[10] Fluxus artists also pioneered this type of art that is often staged in "happenings" involving audience participation. Marina Abramovic sat in a chair and locked eyes with members of the audience in a piece of this type called *The Artist is Present*.
ANSWER: **performance** art [do NOT accept or prompt on "performing arts"]
[10] This other Fluxus artist invited audience members to cut off her clothes in the performance art piece *Cut Piece*. This artist protested the Vietnam War by staging a week-long "Bed-In for Peace" with her husband John Lennon.
ANSWER: Yoko **Ono**
<Other Visual Art — Ma> [Edited]

13. In a story by this author, a group of monkeys attacks Bobby after Mrs. Das spills puffed rice. For 10 points each:
[10] Name this author who included "A Temporary Matter" and "Mrs. Sen's" in her collection *Interpreter of Maladies*.
ANSWER: Jhumpa **Lahiri**
[10] In this story from *Interpreter of Maladies,* Miranda has an affair with an older Indian man named Dev, but she stops after Rohin defines the title word as "loving someone you don't know."
ANSWER: "**Sexy**"
[10] Most of the stories in *Interpreter of Maladies* are about Indian immigrants living in this country. Bengali author Bharati Mukherjee taught at this country's University of California, Berkeley.
ANSWER: **United States** of America [or **America** or **USA** or **U. S.**]
<Short Fiction — Schwartz> [Ed. French]

14. For 10 points each, answer the following about estuaries:
[10] Estuaries are classified as well-mixed, partially-mixed, or wedge depending on their distribution of this quantity. Mangroves can grow in brackish water, which has a higher value of this quantity than freshwater.
ANSWER: **salinity** [or **salt concentration**]
[10] This largest currently-existing estuary is home to a blue crab whose populations have been affected by the parasitic dinoflagellate *Hematodinium*. This bay is the drowned river mouth of the Potomac River.
ANSWER: **Chesapeake** Bay
[10] Besides drowned river mouths, estuaries may also be restricted-mouth estuaries created from the buildup of these structures. When these structures are no longer submerged, they form barrier islands.
ANSWER: **sandbar**s [or **bar**s or **shoal**s or **sandbank**s or **gravelbar**s; accept **bar**-built estuaries]
<Ocean Science — French> [Edited]

15. The second line of the Marines' Hymn refers to American involvement in these wars on the "shores of Tripoli." For 10 points each:
[10] Name these wars fought between America and North African pirates in the early 19th century.
ANSWER: **Barbary** Wars
[10] This third President of the United States declared the Barbary Wars. This president also made the Louisiana Purchase.
ANSWER: Thomas **Jefferson**
[10] During the First Barbary War, this American commander recaptured and burned the USS *Philadelphia* after disguising his ship, the USS *Intrepid*, to look like a trading vessel.
ANSWER: Stephen **Decatur** Jr.
<US History — Shahriar> [Edited]

16. This animal prays "from his heart's deep core" and flings himself "upward to Heaven" in Paul Laurence Dunbar's poem "Sympathy." For 10 points each:
[10] Name this animal. This metaphorical animal titles an autobiography describing its author's experience with racism and sexual assault during her childhood in Stamps, Arkansas.
ANSWER: the **caged bird** [accept *I Know Why the **Caged Bird** Sings*; prompt on bird]
[10] This African-American author wrote the autobiography *I Know Why the Caged Bird Sings*. In her poem "Caged Bird," this poet wrote that "the caged bird / sings of freedom."
ANSWER: Maya **Angelou**
[10] This poem by Angelou describes "species long since departed" whose "broad alarm… of hastening doom / Is lost in the gloom of dust and ages." She read it at Bill Clinton's inauguration.
ANSWER: "**On the Pulse of Morning**"
<Poetry — Schwartz> [Ed. French]

17. The Ordinance of Labourers attempted to fix the wages of these people to those before the Black Death. For 10 points each:
[10] Name this social class of people who revolted after the Ordinance of Labourers was enacted. Many of this general class of people were resigned to a status of serfdom before the revolt.
ANSWER: English **peasant**s
[10] This namesake of an English peasant revolt led Kentish rebels in a raid on London. This man's head would later be kept on a pole and paraded throughout the city.
ANSWER: Wat **Tyler** [accept Walter **Tyler**]
[10] Wat Tyler led English peasants in an uprising that began after John of Gaunt introduced this type of tax to fund the Hundred Year's War.
ANSWER: **poll** tax [accept **head** tax or **capitation**]
<British/Commonwealth History — Athreya> [Edited]

18. For 10 points each, answer the following about nitriles ("NIGHT"-rials):
[10] Nitriles contain this kind of bond between a carbon atom and a nitrogen atom. This kind of bond is present between the two atoms of carbon monoxide.
ANSWER: **triple** bond
[10] Hydrolysis of nitriles produces this functional group, which contains a carbonyl bound to a hydroxyl and is often designated -COOH ("C-O-O-H"). This group condenses with an amino group to form a peptide bond.
ANSWER: **carboxyl**ic acid
[10] Nitrile rubber is used to make examples of these objects that are more resistant to oil and acids than those made from natural rubber. These objects are used to protect chemists' hands in the lab.
ANSWER: nitrile **glove**s
<Chemistry — Gurazada> [Edited]

19. One figure in this religion, Papa Legba, is commonly depicted smoking a pipe. For 10 points each:
[10] Name this syncretic religion with roots in Yoruba culture. Members of this religion worship its Supreme Creator, Bondeye, although it is more prominently-known culturally for its namesake dolls.
ANSWER: **Voodoo** [or Haitian **Vodou** or **Vaudou** or **Vodun** or **Vodoun** or **Vodu** or **Vaudoux**]
[10] This other syncretic religion originated in Yoruba culture and spread to the Caribbean. Members of this religion perform rituals in the language of Lucumí.
ANSWER: **Santería** [or **Regla de Ocha** or La **Regla de Ifá** or La **Regla Lucumí**]
[10] Members of Santería (san-ter-EE-uh) worship these human forms of spirits. They are sent by the supreme god Olorun to guide humanity on Earth.
ANSWER: **orisha**s [or **orisa**s or **orixa**s]
<Religion — Venkateswaran> [Edited]

20. Rift valleys within this feature form a rough square containing lowlands with an unusually large gravitational anomaly. That means that this feature was probably *not* formed by an impact crater. For 10 points each:
[10] Name this feature, which looks like a large dark patch on the "west" of the Moon's near side and which spans about 10% of the Moon's surface.
ANSWER: **Ocean of Storms** [or **Oceanus Procellarum**; prompt on lunar ocean or lunar oceanus or lunar sea or lunar mare or lunar maria]
[10] This smaller lunar sea has a bluish tint because of its high titanium content. This relatively smooth and flat sea is between siblings named after "fertility" and "serenity."
ANSWER: **Sea of Tranquility** [or **Mare Tranquilitas**; prompt on lunar sea or lunar mare or lunar maria]
[10] The Sea of Tranquility was the landing site of this first lunar mission to land on the moon. Neil Armstrong, Buzz Aldrin, and Michael Collins constituted the crew of this mission.
ANSWER: **Apollo 11** [prompt on Apollo]
<Geography — Gray> [Edited]