Tournament 15
Round 14

1. In one painting, two cherubs in the shadows hang on to this figure's legs as this figure stands on a pillar. In another painting titled by this figure, six angels on the left crowd this figure as a small St. Jerome gestures in the bottom right; that work is by Parmigianino depicts this figure with a "long neck." This figure sits opposite the angel Uriel, who holds St. John, in Leonardo da Vinci's depiction of this figure (*) "of the Rocks." This figure is traditionally depicted holding her son in Pieta’s. For 10 points, name this woman often depicted in Madonna's.
ANSWER: The Virgin Mary [or Madonna before it is read]
2. One character in this series is a "common slob" named Seymour. A recurring symbol in this series is a smiley face stained with blood, which appears on a badge worn by a character whose real name is Edward Blake, the (*) Comedian. It is set in an alternate history in which Vietnam becomes the fifty-first state after the United States wins the Vietnam War thanks to the superpowers of Doctor Manhattan. For 10 points, name this series of twelve comic books by Alan Moore which was made into a movie in 2009. ANSWER: Watchmen
3. One person from this country married a British citizen named Alex before serving as the alleged CEO of PropertyFinder LLC. Matt Taibbi and Mark Ames founded a widely read English newspaper in this nation called "The eXile." It is the home nation of Cynthia Murphy and Anna Chapman, two members of the so-called 'Illegals Program" who were arrested in the (*) U.S. and swapped for prisoners in this nation in 2010. For 10 points, name this country whose spies were captured in the U.S. in 2010, and which is nominally led by president Dmitri Medvedev.
ANSWER: Russia [or Russian Federation]
4. This philosopher imagined a "kingdom of ends" in which one of his concepts was always acted upon. He urged readers to "act only according to that maxim whereby you can at the same time will that it should become a universal law" in his (*) Groundwork for the Metaphysics of Morals, which formulated his "categorical imperative." This thinker combined the categories of a priori and a posteriori with those of the analytic and synthetic. For 10 points, name this German philosopher who wrote the Critique of Pure Reason.
ANSWER: Immanuel Kant
5. One male character in this novel masquerades at his own home as a gypsy before revealing himself. This novel's protagonist befriends Helen Burns at Lowood School. On one occasion in this novel, the protagonist is sent to the red-room as punishment, and misdeeds caused by another character in this novel are blamed on Grace Poole. Those actions are actually the responsibility of Bertha (*) Mason, a woman who ends up burning down her husband's estate, Thornfield. For 10 points, name this novel in which the titular heroine marries Mr. Rochester, by Charlotte Bronte.
ANSWER: Jane Eyre
6. One commander in this battle was recruited by Odo the Great after he had lost a battle at the Garonne River. Another commander was killed when his forces retreated in order to protect the treasure they had taken at Bordeux. A strong phalanx formation stopped the cavalry charge of the losing forces, which were led by Abd-ar-Rahman. After this battle, the winning commander earned the nickname (*) "the Hammer." For 10 points, name this October 732 battle in which a Muslim invasion of Western Europe was stopped by Charles Martel.
ANSWER: Battle of Tours [or Battle of Poitiers]
7. This author described the "false patriotic wreath" in a country populated with "humble, hungry, mean" people in "Let America be America Again." In another poem by this writer, the speaker recalls how he has "built my hut near the Congo" and "bathed in the Euphrates." In another of his poems, a Negro "did a lazy sway" while playing the title (*) tune. For 10 points, name this author of "The Negro Speaks of Rivers" and "The Weary Blues," a leading figure in the Harlem Renaissance. ANSWER: Langston Hughes

064-10-19-14108
8. This ion is released when the ryanodine receptor is activated and turns into a channel in the sarcoplasmic reticulum. Excess intake of this ion can lead to buildup of this ion's oxalate in the kidney, which causes $\left(^{*}\right.$ ) kidney stones. Influx of this ion causes the release of synaptic vesicles, and it binds to troponin to allow muscles to contract. Vitamin D helps the GI tract absorb this ion. Phosphoric acid allegedly replaces this ion's phosphate in the tissue that most notably stores it. For 10 points, name this ion that is found in teeth and bones.
ANSWER: calcium [ $\mathrm{or} \mathrm{Ca}^{2+}$ ]
003-10-19-14109
9. This author recalled learning English from his father, a Shakespeare translator, in his memoir $A$ Personal Record. While smuggling guns to Venezuela, he met a sailor named Dominic Cervon, who inspired a title character entrusted with Charles Gould's silver, (*) Nostromo. In another of his novels, repairs to a river-steamer delay the discovery of human heads and a murderous ivory trade, which ends when Kurtz whispers "the horror, the horror." For 10 points, identify this author of a story about Marlow's journey into the Congo, Heart of Darkness.
ANSWER: Joseph Conrad [or Jozef Teodor Konrad Korzeniowski]
019-10-19-14110
10. This island's city of Khania is located on the Akrotiri Peninsula. This island's only major flatlands is the Mesara Plain, which is separated from the Libyan Sea by the Asterousia Mountains. This island's mountains als include the Levka Ori and the Dhikti Ori. The oldest known theater was located at this island's site of Phaestus, and Nikos Kazantzakis Airport is located at this island's capital of (*) Heraklion. The highest point on this island is Mount Ida. For 10 points, name this island that was the home of the Minoan civilization.
ANSWER: Crete
030-10-19-14111
11. According the Farrer Hypothesis, this book was written last out of a certain group of three "synoptic" books. Its use of medical language and dedication to Theophilus is evidence that its author also wrote (*) Acts of the Apostles. The Beatitudes are stated in the beginning of its Sermon on the Plains, and it is the only Gospel that contains the parables of the Prodigal Son and the Good Samaritan. Coming after Mark, this is, for 10 points, what third and longest of the canonical Gospels?
ANSWER: The Gospel of Luke [or the Gospel According to Luke]
12. This experiment is sometimes named for the two individuals who actually conducted it, Hans Geiger and Ernest Marsden. The set-up for this experiment included a circular sheet of zinc sulfide that lit up when contact was made by alpha particles. Those alpha particles sometimes were (*) reflected directly back to their source, a result described as "firing a fifteen-inch shell at a piece of tissue paper and hav[ing] it come back and hit you." For 10 points, name this experiment that discovered the positively charged nucleus.
ANSWER: Rutherford gold foil experiment [or Rutherford experiment; or Geiger-Marsden experiment before mentioned]

023-10-19-14113
13. The dissonant minor second intervals of this composer's fifth étude led to its nickname, "Wrong Note." This composer's Opus twenty-eight preludes include one nicknamed "Raindrop." His piano works include his Fantasie-Impromptu in C sharp minor, as well as the "Military" and "Heroic" (*) polonaises (pol-uh-NEYZ-ess). He composed many mazurkas inspired by dances from his home country, and carried on a ten-year relationship with George Sand. For 10 points, name this man who was inspired by the November Uprising to compose his "Revolutionary" étude (EY-tood), a Polish pianist and composer from the first hald of the nineteenth century.
ANSWER: Frédéric François Chopin [or Fryderyk Franciszek Chopin]
079-10-19-14114
14. Reacting a carbonate with an acid releases carbon dioxide and this compound. Alkali (AL-kuh-lye) metals react with this compound in a violently exothermic reaction. This compound is known as the (*) universal solvent. On a phase diagram, the slope of its solid-liquid boundary is unusually negative, and its triple point is at a temperature just above zero degrees Celsius. For 10 points, name this compound that, because its IUPAC ("eye"-"YOU"-"pack") name is its common name, is never actually referred to as dihydrogen monoxide ("dye-HYE-druh-jen muh-NOX-ide").
ANSWER: water [ $\operatorname{or} \underline{\mathbf{H}}_{2} \underline{\mathbf{O}}$ before "dihydrogen"]
15. Non-thermal radiation emissions from Jupiter are caused by electrons trapped in regions analogous to these. Tests like Hardtack Teak and Starfish Prime, which are high-altitude nuclear tests have created artificial versions of these regions. Confined to an area which is about $\mathbf{6 5}$ degrees from the celestial equator, the inner one of these phenomena was first confirmed by (*) Explorer I and contains much higher energy than the outer one. For 10 points, name these tori of highly energized particles or plasma which surround the earth and are named after an American astronomer.
ANSWER: Van Allen Belts [prompt on radiation belts]
084-10-19-14116
16. This man was killed in the Battle of Mactan, in which his forces were greatly outnumbered by those of Lapu Lapu. Following this man's death, Juan Sebastián del Cano took over as commander and completed the action for which this man became famous. Three ships under the control of this explorer were the first to reach a (*) strait that would later be named for him south of South America. For 10 points, name this Portuguese explorer whose expedition continued on despite his death to become the first to circumnavigate the world.
ANSWER: Ferdinand Magellan [or Fernão de Magalhães; or Fernando de Magallanes]
17. A group of people who did this activity during World War II was known as the Silvermaster ring and was later identified by the VENONA files. Another group that did this action included David and Ruth Greenglass and Klaus Fuchs. One person who did this was exposed by the "pumpkin papers" of Whittaker Chambers; that was Alger Hiss. Other people who did this activity were (*) executed in 1953 for passing on atomic secrets. For 10 points, identify this treasonous action committed by hundreds of Americans, such as Julius and Ethel Rosenberg, during the Cold War.
ANSWER: spying for the Soviet Union [or spying for the USSR or any other logically equivalent answer; prompt on spying, etc.]

019-10-19-14118
18. This architect drew inspiration from local cliff-dwelling structures to design the Mesa Laboratory for the National Center for Atmospheric Research, and used the triangle as a basic building block for the East Building of the National Gallery of Art. His initial vision for the John F. Kennedy Library included a truncated glass pyramid, a motif he would return to in Cleveland's (*) Rock and Roll Hall of Fame, and to cover the underground entrance to the Louvre. For 10 points, name this Chinese-American architect.
ANSWER: Ieoh Ming Pei
003-10-19-14119
19. Two female members of this occupation served under John Rackham and were named Mary Read and Anne Bonny. Members of this profession could gain government support if granted a Letter of Marque, which made them privateers. In this occupation's Golden Age, Bartholomew Roberts had the most success, and that age also saw the likes of (*) Edward Teach and William Kidd. For 10 points, name this profession that got the majority of its members from the ships it robbed, and whose captains included Blackbeard and whose ships flew the Jolly Roger.
ANSWER: pirates [or equivalent answers; or privateers before mention]
023-10-19-14120
20. One character in this novel makes fake 'Persian stuff' for sale in Holland, and that character helps to pay for the syphilis treatment of another character. This novel concludes by stating, "We must cultivate our garden." The title character travels to Eldorado with Cacambo and later both end up in Constantinople. The main character is in love with $\left(^{*}\right)$ Cunégonde and was tutored by Pangloss, who serves as a parody of Leibniz. For 10 points, name this work by Voltaire.
ANSWER: Candide; or, Optimism [or Candide; ou l'Optimisme]
001-10-19-14121
21. Pavlov's house was used as a fortified position during this battle. This battle was preceded by an offensive called Case Blue that was intended to capture vital oil fields. Victory for one side came following Operation Uranus, an offensive partially planned by Georgy Zhukov. Eventually, the German 6th Army under the command of Friedrich Paulus (*) surrendered after being encircled along the Volga River. For 10 points, name this extremely bloody World War II battle that lasted from 1942 to 1943, a Soviet victory that marked a turning point on the Eastern Front.
ANSWER: Battle of Stalingrad
22. The aria "Dies Bildnis" is sung by this opera's protagonist after he is shown a portrait by three women who had earlier saved him from a giant serpent. Another aria in this work requires the singer to hit a high F6. The protagonist of this work is accompanied by the bird-catcher Papageno and confronts Sarastro, who forces the duo to undergo several tests in order to save Pamina, whose mother is the (*) Queen of the Night. For 10 points, name this Wolfgang Amadeus Mozart opera in which Tamino receives the titular enchanted instrument.
ANSWER: The Magic Flute [or Die Zauberflöte]
015-10-19-14123
23. In one of this author's works, Lisbeth Fisher schemes with Valerie Marneffe to ruin the philandering Baron Hector Hulot. In another of his works, an elderly former pasta-maker spends all of his money on Anastasie and Delphine, his ungrateful daughters. Cousin Bette and Father (*)
Goriot make up part of this man's series of over ninety works depicting the society of Restoration France. For 10 points, name this French realist author of The Human Comedy. ANSWER: Honoré de Balzac

1. During the 15 th century, Muslim rule in Spain came to an end. For 10 points each:
[10] Christian rule in Spain was strengthened following the 1469 marriage of this woman to Ferdinand II. ANSWER: Isabella I of Castille
[10] The final Muslim kingdom in Spain was centered in this southern Spanish city and home of the Alhambra.
ANSWER: Granada
[10] An earlier Muslim kingdom in Spain ruled out of this city famed for its "Great Mosque," which was built by members of the Umayyad dynasty.
ANSWER: Cordoba
2. Variations on this type of building include cathedrals, basilicas, and chapels. For 10 points each:
[10] Name these places of Christian worship.
ANSWER: churches
[10] This is the large, central passage in a cathedral that leads from the back up to the altar.
ANSWER: nave
[10] This other passage crosses the nave, separating it from the sanctuary. It gives the cathedral its cross-like shape.
ANSWER: transept
3. This process takes place in the ribosomes. For 10 points each:
[10] Name this process of creating an amino acid sequence from an RNA sequence.
ANSWER: translation
[10] Translation takes advantage of the ability of this form of RNA to bind to amino acids. This form of RNA has a T-psi-C-G loop and a sequence of three nucleic acids known as an anticodon.
ANSWER: transfer RNA
[10] Different mRNA codons can code for the same amino acid during translation because of the ability of tRNA's inosine to base pair to uracil, adenine, or cysteine. That type of non-traditional base pairing is known by this term.
ANSWER: wobble base pairing
003-10-19-14203
4. This painting was created while its artist was in an asylum in Saint-Remy. For 10 points each:
[10] Name this painting that shows a cypress tree in the foreground and a church spire in the background.
ANSWER: The Starry Night [or De Sterrennacht]
[10] This Dutch artist painted a billiard table in the middle of his The Night Café as well as painting The Starry Night and Self-Portrait with Bandaged Ear.
ANSWER: Vincent Willem van Gogh
[10] A dim lantern provides the light in this van Gogh painting which shows a group of five peasants sitting around a table eating a certain staple crop.
ANSWER: The Potato Eaters [or De Aardappeleters]
5. Practitioners of this religion follow a diet called ital and participate in celebratory ceremonies called bingis (bin-GEEZ). For 10 points each:
[10] Name this religion that refers to God as Jah and advocates smoking "ganja."
ANSWER: Rastafari or Rastafarianism
[10] Rastafarians believe that this former Emperor of Ethiopia is the Second Coming of Christ. The name "Rastafari" comes from his pre-regnal title, which means "head Tafari."
ANSWER: Haile Selassie I [or Tafari Makonnen]
[10] With a name coming from John 14:2 ("chapter fourteen, verse two"), these are the branches of the Rastafari movement. Prominent ones include the Niyabinghi and the Bobo Shanti.
ANSWER: mansions
6. Its deepest point is Calypso Deep, and it is connected to the Atlantic by the Strait of Gibraltar. For 10 points each:
[10] Name this sea that borders France, Spain, and Africa.
ANSWER: Mediterranean Sea
[10] The Mediterranean Sea is also the home of Sicily and Sardinia, two autonomous islands that are officially part of this boot-shaped country with capital Rome.
ANSWER: Italy [or Italia; or Italian Republic; or Repubblica Italiana]
[10] Italy's longest river in this one, which drains into the Adriatic Sea near Venice.
ANSWER: Po River

079-10-19-14206
7. Under Bartolome Mitre, it joined Uruguay, Argentina, and Brazil in fighting Paraguay in the War of the Triple Alliance. For 10 points each:
[10] Name this South American country that fought Britain for control of the Falklands. Its President rules from the Pink House in Buenos Aires.

## ANSWER: Argentina [or Argentine Republic; or República Argentina]

[10] Argentina was lead during the 1940s and '50s by this President who rose to power thanks to the support of the descamisados and the popularity of his movie-star wife "Evita."
ANSWER: Juan Domingo Perón
[10] During this so-called "war" of the '70s and '80s, thousands of supporters of Juan Perón and his other wife, President Isabel Perón, were killed under dictator Jorge Rafael Videla (HAWR-hay rah-FAY-el veed-AY-luh).
ANSWER: Dirty War [or Guerra Sucia]
079-10-19-14207
8. In 113 CE, this Emperor launched another war against Parthia. For 10 points each:
[10] Name this successor of Nerva for whom a column in Rome is named.
ANSWER: Trajan [or Caesar Divi Nervae Filius Nerva Traianus Optimus Augustus; or Caesar Nerva Traianus Germanicus; or Marcus Ulpius Traianus]
[10] Trajan's Column commemorates his conquering of this region east of the Danube, whose king
Decebalus committed suicide rather than be captured.
ANSWER: Dacia
[10] Trajan was succeeded by this emperor, for whom a wall in Britain is named.
ANSWER: Hadrian [or Caesar Traianus Hadrianus Augustus; or Publius Aelius Hadrianus]
9. Although the Sun has some influence on the height of these fluctuations, the Moon's gravity is the dominant factor. For 10 points each:
[10] Name these daily fluctuations in the height of the water level in the oceans.
ANSWER: tides
[10] These especially weak tides occur when gravitational forces due to the Sun oppose gravitational forces due to the Moon.

## ANSWER: neap tides

[10] Although not truly tides, these "tides" are unusually powerful currents heading back into the sea. They can occur anywhere that breaking waves exist, and are notoriously hazardous to surfers.
ANSWER: riptides [or rip currents]
003-10-19-14209
10. In this type of reaction, one element's oxidation number decreases. For 10 points each:
[10] Name this type of reaction. It often encompasses a "half-reaction," with the other half-reaction being oxidation.
ANSWER: reduction
[10] Reduction occurs at this electrode in an electrochemical cell.
ANSWER: cathode
[10] This type of electrochemical cell consists of two different metals at the anode and cathode, placed in isolated solutions of their ions and connected by a salt bridge. This type of cell produces electricity from chemical reactions.
ANSWER: galvanic cell [or voltaic cell]
11. The constant associated with this force is equal to 6.67 times ten to the negative eleventh. For 10 points each:
[10] Name this attractive force between two objects.
ANSWER: gravity [or gravitational force]
[10] The force of gravity between objects is proportional to this power of the distance.
ANSWER: negative two [or inverse square; or negative square; or one over the square; do not accept or prompt on "two" by itself; do not accept or prompt on "square" by itself]
[10] By convention, the gravitational potential between two masses is set to zero when this distance separates the two masses.
ANSWER: infinity
001-10-19-14211
12. This group settled Florida in the early 1700s and members of this tribe agreed to leave Florida in the Treaty of Payne's Landing. For 10 points each:
[10] Name this Native American tribe that fought three wars with the United States in the 19th century.
ANSWER: Seminoles
[10] This man lead the Seminoles that fought the government in the Second Seminole War.
ANSWER: Osceola
[10] This man negotiated and signed the Treaty of Payne's Landing for the government. He later lent his name to the 1853 acquisition of land from Mexico that became part of Arizona and New Mexico.
ANSWER: James Gadsden
13. Henry Wyatt translated many of his namesake sonnets into English. For 10 points each:
[10] Name this Italian poet who wrote the Canzoniere [cahn-zone-YAY-ray]
ANSWER: Petrarch [or Francesco Petrarca]
[10] Many of Petrarch love poems were addressed to this woman, with whom he was in love, even though she was already married.
ANSWER: Laura
[10] Petrarch also wrote an unfinished epic poem about the Roman invasion of this continent during the Second Punic War.
ANSWER: Africa
024-10-19-14213
14. This prophet is upset when a plant that has been providing him shade suddenly withers. For 10 points each:
[10] Name this prophet sent to foretell doom to the citizens of Nineveh, who was swallowed by a fish. ANSWER: Jonah
[10] The tale of Jonah is mentioned in reference to Jesus's resurrection in the New Testament gospel named for this apostle and former tax collector. It is the first book of the New Testament.
ANSWER: Matthew
[10] One famous event depicted in Matthew is this speech of Jesus's in which he commands, "turn the other cheek" and "judge not, lest ye be judged."
ANSWER: Sermon on the Mount
15. Its music video features several collages made from overlapping pictures of different parts of women's faces. For 10 points each:
[10] Name this 2010 song that begins with Bruno Mars asserting that his "time would be wasted" chasing "beautiful girls all over the world" because of the title declaration.

## ANSWER: "Nothin' On You"

[10] "Nothin' On You" is the first single of this American singer who, in "Airplanes," asks if we can pretend that airplanes are shooting stars because he could "really use a wish right now."
ANSWER: B.o.B. [or Bobby Ray Simmons, Jr.]
[10] B.o.B. took his name from a 2000 single by this hip-hop group made up of Big Boi and André 3000.
This duo's 2003 collaboration Speakerboxxx/The Love Below featured "Hey Ya."
ANSWER: OutKast
079-10-19-14215
16. This contrapuntal musical form begins with each voice entering with the subject in usually the tonic or dominant key, and it may include countersubjects and stretto passages. For 10 points each:
[10] Name this form with Baroque origins which Benjamin Britten used to conclude his Young Person's Guide To The Orchestra.
ANSWER: fugue
[10] This composer of the Mass In B Minor included many canons and fugues in his A Musical Offering. His final work was the unfinished Art of Fugue.
ANSWER: Johann Sebastian Bach
[10] J. S. Bach wrote two books of these keyboard pieces that include a prelude and fugue for every major and minor key. They were named for a tuning system.
ANSWER: The Well-Tempered Clavier [or Das Wohltemperierte Klavier]
17. This man depicted the "Marriage of Heaven and Hell" in a series of plates. For 10 points each: [10] Name this poet and engraver who developed an entire mythology based on the central figure Urizen. ANSWER: William Blake
[10] This poem by Blake asks the title creature, "In what furnace was thy brain?" and "What immortal hand or eye could frame thy fearful symmetry?"
ANSWER: "The Tyger"
[10] This companion piece to "The Tyger," found in Songs of Innocence, asks the title creature, "Does thou know who made thee?" and answers, "He is called by thy name, for He calls Himself" this creature.
ANSWER: "The Lamb"
003-10-19-14217
18. She won the Governor General's Award for her poetry collection The Circle Game. For 10 points each: [10] Name this Canadian author of novels such as The Edible Woman and The Blind Assassin.
ANSWER: Margaret Atwood
[10] This dystopian Atwood novel is about Offred, whose name indicates that she belongs to Fred.
ANSWER: The Handmaid's Tale
[10] Atwood also wrote a novella which retells the Odyssey from the perspective of this character.
ANSWER: Penelope
19. A speaker of joual, a dialect of French, this author experimented with jazz and blues themes in his poem Mexico City Blues. For 10 points each:
[10] Name this man who wrote about his 63 days as a fire lookout atop Washington's Desolation Peak in Desolation Angels and who also wrote The Dharma Bums.
ANSWER: Jack Kerouac
[10] The narrator of this Kerouac novel, Sal Paradise, is often identified with Kerouac. Another character in this work, Dean Moriarty, is Sal's hero early in this novel, but by this novel's end, Dean appears to be going insane.
ANSWER: On the Road
[10] Kerouac was friends with this fellow Beat writer who wrote the novels The Soft Machine and Naked Lunch.
ANSWER: William Seward Burroughs II
030-10-19-14219
20. Firms can develop this power due to economies of scale, legal barriers, or anti-competitive practices. For 10 points each:
[10] Name this situation, which occurs when there is only one seller for many buyers. Antitrust laws attempt to prevent these from forming.
ANSWER: monopoly
[10] Monopoly pricing can lead to this loss of economic efficiency, in which market surplus is not maximized.
ANSWER: deadweight loss
[10] Deadweight loss occurs when this condition, named for an Italian economist, isn't met. It occurs when one cannot make one party better off without harming another party.
ANSWER: Pareto optimality
21. This novel is subtitled "The Sacred and Profane Memories of Captain Charles Ryder." For 10 points each:
[10] Name this novel whose title estate is inhabited by Sebastian Flyte.
ANSWER: Brideshead Revisited
[10] Brideshead Revisited is a work by this author, whose comic novels include Decline and Fall and A Handful of Dust.
ANSWER: Evelyn Arthur St. John Waugh
[10] This Waugh novel is about a journalist, William Boot, who is accidentally sent to Africa. ANSWER: Scoop

