1. General von Sleeckt defied the orders of the Military Inter-Allied Commission of Control established by this treaty. Japanese occupation of the Shandong province as a result of this treaty led to the May 4th movement. Robert Lansing was largely left out of the negotiations of this treaty, which established the Free City of Danzig and the (*) League of Nations. For 10 points, name this treaty that was signed by the Allies and Germany following the conclusion of World War I.
ANSWER: Treaty of Versailles
149-12-53-13102
2. German has two forms of this mood called "past" and "present," though they can both be conjugated in any tense. In Spanish, this mood has two imperfect tenses, the -ra and -se forms, and the present tense of it shares many verb endings with the (*) imperative. In English, this mood is used for phrases such as "if I were" and other contrary-to-fact statements. For 10 points, name this verb mood that expresses wishes or possibilities, contrasted with the indicative.
ANSWER: subjunctive mood
132-12-53-13103
3. A nude figure is enveloped by a large red cloth in a Max Ernst painting titled after the robbing of one. A work done on two panes of glass showing a rotating contraption in its bottom half is titled after one of these "stripped bare by her bachelors, even". One in a red dress is being given a necklace by her father in a painting titled after the (*) "Jewish" one done by Rembrandt. For 10 points, identify these women who in art are often depicted in ornate dresses before being married off.
ANSWER: bride [prompt on things like "woman"]
048-12-53-13104
4. Large companies based in this country include Standard Bank and the Sasol energy firm. This country's Constitutional Court sits in a city that is served by O.R. Tambo International Airport. The provinces of Gauteng and (*) Limpopo are found in this country, which shares its longest border with Botswana and its shortest with Swaziland. For 10 points, name the nation where one can find the Cape of Good Hope, Pretoria, Bloemfontein, Johannesburg and Cape Town.
ANSWER: South Africa
147-12-53-13105
5. This quantity is held constant in the final cooling stage of the ideal diesel cycle. This quantity is held constant in Gay-Lussac's law and is unchanged in an isochoric process. The " $b$ " term in the van der Waals equation accounts for this property of gas molecules. This quantity is kept constant in a ${ }^{(*)}$ ) bomb calorimeter. Charles' law relates this quantity to temperature, while Boyle's law relates it to pressure. For 10 points, give this quantity typically measured in liters.
ANSWER: volume
6. Philosophers noted chiefly for the study of this man include Saul Kripke, who is so closely linked that a portmanteau of this philosopher's name and Kripke's gained prominence, and Elizabeth Anscombe, who edited his posthumous work on 'family resemblances" and 'language games," (*) Philosophical Investigations. In an earlier work, laid out as a series of numbered propositions, he explains "the world is everything that is the case" and denies that there are any true problems in philosophy. For 10 points, name this Austrian philosopher who wrote Tractatus Logico-Philosophicus.
ANSWER: Ludwig Wittgenstein
019-12-53-13107
7. In one of this author's novels, the mountain climber Allie Cone is killed by a former actor. That novel by this man begins as flight AI-420 "blew apart without any warning" due to the actions of terrorists. This man wrote a novel about a group of characters with special powers who are born on August 15, 1947, while his novel about Gibreel Farishta (fuh-REESH-tuh) resulted in an (*) Iranian leader issuing a 1989 fatwa against him. For 10 points, name this Indian author of Midnight's Children and The Satanic Verses.
ANSWER: Ahmed Salman Rushdie
052-12-53-13108
8. For people with atrial (AY-tree-uhl) fibrillation (fih-brih-LAY-shun), the CHADS2 score gives the likelihood of these events, which are also the subject of a namesake zero to thirty NINDS scale. TIAs are weaker versions of these events. These events, which can be caused by obstructions in the branch points of the Circle of Willis, can cause loss of speech and weakness and paralysis on the side opposite the $\left(^{*}\right)$ block. For 10 points, identify these events in which blood supply to the brain is interrupted. ANSWER: stroke [or cerebrovascular accident or CVA]

048-12-53-13109
9. In one work by this author, a Justice Overdo is arrested while investigating the title location in disguise as a madman. This author also wrote a play in which Dol Common, Face, and Subtle attempt to con nobles out of their goods. This playwright of (*)Bartholomew Fair also created a wealthy title character who falls in love with the merchant's wife Celia and is given gifts by three men he and Mosca have fooled into believing he is looking for an heir. For 10 points, name this English comic playwright of The Alchemist and Volpone.
ANSWER: Ben Jonson
105-12-53-13110
10. After this event, the newspaper The People's Observer was banned. This event was the origin of the 'blood flag," and participants were captured by the State Police after attempting to march on the Defense Ministry. It began when 600 SA soldiers surrounded the namesake establishment, and its leader was imprisoned for 8 months, during which time he wrote (*) Mein Kampf. For 10 points, name this 1923 event in which the Nazi party failed to overthrow the Weimar republic.
ANSWER: Beer Hall Putsch [or Munich Putsch]
048-12-53-13111
11. In one opera by this composer, a group of women sit and sing the 'Spinning Chorus" in Daland's house; that work ends with Senta throwing herself into the sea. This composer designed a "Festspielhaus" ('FEST'-shpeel-'house") for the performance of his works in (*) Bayreuth ("BYE"-royt), and wrote a set of operas that starts with Alberich stealing gold from the Rhine. For 10 points, name this German composer of The Flying Dutchman who also wrote "The Ride of the Valkyries" for his Ring of the Nibelung cycle.
ANSWER: Wilhelm Richard Wagner
12. In 2011, a pitching coach for this team was sued by Gloria Allred for making obscene gestures at a fan. This employer of Roger McDowell sued Disney for trademark infringement in December 2011. Despite early success from its bullpen trio of Eric O'Flaherty, Johnny Venters, and Craig Kimbrel, this team $\left(^{*}\right)$ lost twenty of its last thirty games to blow its wild card lead over St. Louis. This team is managed by Fredi Gonzalez, and its current stars include Brian McCann and Chipper Jones. For 10 points, name this Major League Baseball team which is a rival of the Phillies in the NL East.
ANSWER: Atlanta Braves [accept Atlanta before it is read]
015-12-53-13113
13. The current mathematical model of this entity is the IGRF. Short duration changes that occur in this entity are called secular variations. Evidence for seafloor spreading includes the presences of stripes which maintain a record of the reversal of this entity. This entity is generated by the (*) dynamo mechanism, which is the rotation of the Earth's outer core. For 10 points, name this entity that interacts with the solar wind to produce the magnetosphere and which compasses use for navigation. ANSWER: the Earth's magnetic field [or geomagnetic field]

066-12-53-13114
14. This piece starts out with the playing of a Troparion of the Holy Cross. Another passage of this piece of music uses a folk song called "At the Gate, at My Gate." This piece was commissioned for the opening of the Cathedral of Christ the Savior. Parts of the anthems La ${ }^{(*)}$ ) Marseillaise and "God Save the Tsar" are heard in this piece, along with a number of cannon shots. For 10 points, name this piece by Tchaikovsky that celebrates the driving of the French from Russia in its title year.
ANSWER: 1812 Overture
023-12-53-13115
15. This character fails to understand a nonsense phrase uttered by Plutus, and this character relates his encounter with a couple whose reading of the story of Lancelot led them to commit adultery. This character is pursued by a lion, a leopard, and a she-wolf while lost in a dark wood. This character narrates a work featuring the episode of $\left(^{*}\right)$ Paolo and Francesca, and in that work, he is led through a succession of spheres by Beatrice after Virgil guides him through Hell. For 10 points, name this Italian poet, the protagonist of his poem The Divine Comedy.
ANSWER: Dante Alighieri [or Dante Alighieri; prompt on the narrator of the Inferno or other equivalents]

014-12-53-13116
16. These stars occupy the instability strip of the Hertzprung-Russell diagram. Many members of this class of stars are ellipsoidal in shape. Edwin Hubble used a type of these stars to calculate his namesake law. Found in globular clusters, RR Lyrae are a population II subclass of these stars. W Virginis stars are another population II star in this class. The $\mathbf{(}^{*}$ ) Cepheid (SEH-fid) type of these stars are used as a standard candle for measuring distance. For 10 points, name these stars whose apparent brightness changes.
ANSWER: variable stars [or variables]
079-12-53-13117
17. This man's brother Jack was a close friend to this character's current neighbor Miss Maudie Atkinson. This man invites Aunt Alexandra to stay at his house and help him look after his children, and he lives with his cook (*) Calpurnia. This man defends Tom Robinson from charges of rape against Mayella Ewell and later reveals to his children the true identity of Boo Radley. For 10 points, name this lawyer, the father of Jem and Scout Finch in Harper Lee's novel To Kill a Mockingbird.
ANSWER: Atticus Finch [prompt on Finch]
064-12-53-13118
18. This man's first political office was as Sheriff of Erie County, where he personally executed criminals. His next public office was Mayor of Buffalo, in which he took on corrupt political machines and gained a reputation for honesty. This led to his choice as the compromise candidate and victory in the gubernatorial election for New York in 1882. The support of the (*) Mugwumps led to his first national victory. For 10 points, name this President who served nonconsecutive terms. ANSWER: Stephen Grover Cleveland

147-12-53-13119
19. This figure sent a sword to Ameinias (uh-MAY-nee-us), who used it to kill himself, and after he spurned several nymphs, one of them prayed to Nemesis to curse him. One nymph who fell in love with this son of Kephisos and Liriope (lee-ree-OH-pay) was cursed by Hera to only repeat the last words said to her. Tiresias predicted that this character would live a long life as long as he didn't know (*) himself. For 10 points, identify this beautiful youth loved by Echo who fell in love with his own reflection.
ANSWER: Narcissus
048-12-53-13120
20. During the presidency of Andres de Santa Cruz, this country fought and lost the War of the Confederation against Chile. Another military defeat for this country came in 1935 when it ceded to Paraguay the namesake region of the Chaco War. This country lost its access to the sea in the War of the Pacific. The current president of this country is a former $\left(^{*}\right)$ coca leaf grower. For 10 points, name this landlocked South American country currently led by Evo Morales.
ANSWER: Plurinational State of Bolivia [or Estado Plurinacional de Bolivia]
141-12-53-13121
21. In one of his stories, an explorer witnesses the malfunction of a torture device that kills the Officer. Max Brod published some of this man's works posthumously, although 'In the Penal Colony" was published during his lifetime. He wrote a novel in which Joseph K. is executed for a crime unknown to him. In another work by this man, a former traveling salesman is injured when his father throws an (*) apple at him, and Grete plays the violin. For 10 points, name this author of The Trial who wrote about Gregor Samsa's unexplained transformation into an insect in The Metamorphosis. ANSWER: Franz Kafka

142-12-53-13122
22. Prior to the Christianization of this country, it was ruled by chieftains called Godar. It fought the "Cod Wars" with Great Britain. A 1986 summit in this country saw Ronald Reagan refuse Mikhail Gorbachev's demands for the U.S. to abandon the Strategic Defense Initiative. This nation's (*) Althing was founded in 930 CE and is the world's oldest legislature. For 10 points, name this country whose position in the Atlantic ocean made it strategically important during World War II and the Cold War.
ANSWER: Republic of Iceland [or Lydveldid Island]
030-12-53-13123
23. The Wohler process was originally used to obtain this element. The current method for obtaining this element is an electrolytic (ee-leck-troh-LIH-tick) process in which an ore of this element is dissolved in a mixture of calcium fluoride and cryolite (CRY-yoh-lite). The Bayer process followed by the $\left(^{*}\right)$ Hall-Heroult process can be used to obtain this element industrially. It is the most abundant metal in the Earth's crust, and it is mainly found in bauxite (BOX-ite). For 10 points, name this element with atomic number 13 often found in foil.
ANSWER: aluminum [or Al; or aluminium]

1. They can be categorized based on their height and roundedness. For 10 points each:
[10] Name these sounds pronounced with an open vocal tract, which are denoted by at least five letters in English.
ANSWER: vowels
[10] This term refers to two vowel sounds occurring in the same syllable, such as in the words "loud" and "light."
ANSWER: diphthongs
[10] An accent can be rhotic or non-rhotic depending on how this letter is pronounced after a vowel. Most American accents are rhotic, while some from New England and the South are not.
ANSWER: "́ㅡ"
132-12-53-13201
2. Martin Luther recognized only two of these observances, baptism and the Eucharist. For 10 points each: [10] Name these religious practices which Catholics regard as signs of grace. The Catholic Church enumerates seven distinct ones, including marriage and confirmation.
ANSWER: Seven Sacraments
[10] The Catholic sacrament of extreme unction involves doing this thing to the sick or dying with oil. The word "Messiah" literally means one who has undergone this action.
ANSWER: anointing of the sick [or word forms; prompt on covering, putting oil on the forehead, etc.] [10] In many Catholic churches, the Eucharistic host is placed in this special holder for adoration. The top of this container is often a circular opening resembling the sun's rays.
ANSWER: monstrance [or ostensorium]
104-12-53-13202
3. Where $a$ and $b$ are constants, graphs of this curve satisfy the equation $x$ squared divided by $a$ squared minus $y$ squared divided by $b$ square equals one. For 10 points each:
[10] $y=1 / x$ ["y equals one over $x "]$ is the simplest example of what kind of curve with eccentricity greater than 1 and two asymptotes?
ANSWER: hyperbola
[10] A hyperbola is a member of this class of curves that also includes ellipses and circles.
ANSWER: conic section
[10] A degenerate hyperbola consist of two these curves intersecting.
ANSWER: line
4. For the event horizon of a black hole, this value is the speed of light. For 10 points each:
[10] Name this speed required to leave the gravitational pull of a mass.
ANSWER: escape velocity [or escape speed]
[10] Escape velocity occurs at the speed where kinetic energy of the object equals the opposite of its gravitational potential energy. The speed at which it will enter orbit occurs when the gravitational force equals this force, generated by the always changing velocity of a mass moving in a circle.
ANSWER: centripedal force
[10] The direction of the centripedal force has this relationship to the direction of movement at a given instant.

121-12-53-13204
5. This man defeated Spanish forces at the 1819 Battle of Boyaca. For 10 points each:
[10] Name this South American independence leader known as El Libertador.
ANSWER: Simon Bolivar
[10] In 1819, Bolivar became leader of this short-lived republic that included most of northwestern South America.
ANSWER: Gran Colombia
[10] In 1822, Bolivar met this man at the Guayaquil Conference. This man led the struggle for independence in the southern half of South America against Spain.
ANSWER: Jose de San Martin
064-12-53-13205
6. For 10 points each, name these writers of detective novels.
[10] "The best of modern detective novels," according to T. S. Eliot, was this author's novel about a stolen, cursed Indian diamond, The Moonstone.
ANSWER: William Willkie Collins
[10] This man created the doctor John Watson, "the Boswell" of the master detective Sherlock Holmes. ANSWER: Arthur Conan Doyle
[10] This creator of the priest-detective Father Brown wrote about Gabriel Syme's infiltration of a council of anarchists in The Man Who Was Thursday.
ANSWER: Gilbert Keith Chesterton
7. This election featured dual campaign parodies of the popular song "Wait for the Wagon." For 10 points each:
[10] Name this election won by James Buchanan, which also featured the first-ever Republican Presidential candidate, John C. Fremont.
ANSWER: Presidential Election of $\mathbf{1 8 5 6}$
[10] The Republican version's chorus repeated the line, "We'll give 'em" this wife of John Fremont and daughter of an influential Missouri senator, who helped popularize Fremont's western expeditions.
ANSWER: Jessie Ann Benton Fremont [or "We'll give 'em Jessie"; prompt on Fremont]
[10] The Democratic version instead vilified several prominent Republicans, including depicting this future Secretary of State and purchaser of Alaska "with the monster bank, with all the Federal pack."
ANSWER: William Henry Seward, Sr.
8. One member of this group of properties is equal to the product of molarity, temperature, the gas constant and the van't Hoff factor. For 10 points each:
[10] Name this group of properties that include boiling point elevation and which depend on the number of molecules in solution.
ANSWER: colligative properties
[10] The calculation for boiling point elevation and freezing point depression both use this quantity, equal to the number of moles of solute divided by kilograms of solvent.
ANSWER: molality [prompt on $\underline{\mathbf{m}}$; do not accept "molarity"]
[10] In a dilute solution, the van't Hoff factor of potassium sulfate would be slightly less than this integer value.
ANSWER: $\underline{\mathbf{3}}$
9. Among this ruler's scholarly achievements were translations of the Venerable Bede and Boethius. For 10 points each:
[10] Name this "Great" king of Wessex who completed the expulsion of the Danes from his kingdom in 896.

ANSWER: Alfred the Great
[10] This English king, whose throne was usurped by Sweyn in 1013, began paying tribute to the Danes in 991. This man's epithet refers to the lack of good counsel he received.

ANSWER: Aethelred the Unready [or Aethelred II; or Ethelred Unraed; prompt on Aethelred] [10] Sweyn's invasion forced Aethelred to flee to this region, the homeland of William the Conqueror. ANSWER: Normandy

131-12-53-13209
10. One painting in this series depicts an orgy at the Rose Tavern. For 10 points each:
[10] Name this 1735 series of paintings by William Hogarth, which depicts the decline of an incapably drunk Tom Rakewell.
ANSWER: A Rake's Progress
[10] Hogarth's Satan, Sin, and Death depicts a scene from Paradise Lost. This later artist illustrated Paradise Lost, using the same engraving technique he used to illustrate his own poems.
ANSWER: William Blake
[10] Hogarth parodied this earlier painting in The Cock-Pit. This Leonardo fresco depicts the disciples' reactions to Jesus' announcement that one of them will betray him.
ANSWER: The Last Supper [or Il Cenacolo; or L'Ultima Cena]
130-12-53-13210
11. This man replaced Hyde Parker after defying that man's orders to withdraw from the bombardment of Copenhagen. For 10 points each:
[10] Name this admiral of the flagship Victory who led Britain's navy through four years of the Napoleonic Wars, and who is commemorated by a namesake column in London.
ANSWER: Horatio Nelson
[10] Nelson died at this major victory over Pierre Villeneuve, an 1805 battle that thwarted a French plan to blockade the English Channel and invade Britain.
ANSWER: Battle of Trafalgar
[10] At the start of the Battle of Trafalgar, Nelson ordered that the Popham flag system be used to transmit this sentence to the fleet. It inspired British victory at the battle and has become iconic in British education. ANSWER: "England expects that every man will do his duty" [or "England expects every man to do his duty"]
12. This hero was trained by Scathach (SCOT-ak) and wielded the Gae Bulg. For 10 points each:
[10] Name this hero who features in the Ulster Cycle. Originally known as Setanta, he was the son of the god Lugh (LOO).
ANSWER: Cuchulainn (kuh-HULL-ayn)
[10] Cuchulainn duels with his foster-brother Ferdiad and defeats the armies of Queen Medb in the title event of this mythological text.
ANSWER: The Cattle Raid of Cooley [or Tain Bo Cuailnge]
[10] The Cattle Raid of Cooley is written in the language used by the pre-Christian occupants of this island located to the west of Great Britain.
ANSWER: Ireland
014-12-53-13212
13. One movement of this work is a "dialogue between the wind and" the title entity. For 10 points each: [10] Name this set of three "symphonic sketches" for orchestra, the second of which is the "Play of the Waves."

ANSWER: La Mer [or The Sea]
[10] La Mer is a work by this composer of Prelude to the Afternoon of a Faun, whose Suite bergamasque ("bear"-ga-"MASK") includes a movement called Clair de lune.
ANSWER: (Achille-)Claude Debussy
[10] Debussy wrote two books of works of this type, examples of which include "The Sunken Cathedral" and "The Girl with the Flaxen Hair."
ANSWER: piano preludes
142-12-53-13213
14. In one play by this man, Mariane is engaged to Valere before being offered to the title character. For 10 points each:
[10] Name this French dramatist of Tartuffe, who also wrote a work in which the hypochondriac Argan promises his daughter Angelique to Thomas Diaforious.
ANSWER: Moliere [or Jean-Baptiste Poquelin]
[10] Racine, a contemporary of Moliere, is best known for his play about this wife of Theseus. This mythological character commits suicide after causing the death of Hippolytus, whom she had accused of raping her.
ANSWER: Phaedra [or Phedre]
[10] This other contemporary of Moliere wrote a play about the love between Don Rodrigue and Chimene (hee-MEN-uh) entitled Le Cid.
ANSWER: Pierre Corneille (cor-NAY)
149-12-53-13214
15. The main portion of the brain is called the cerebrum. For 10 points each:
[10] The cerebrum is mainly made up of this type of matter which is rich in neurons and glial (GLEE-uhl) cells unlike white matter.
ANSWER: grey matter
[10] The two hemispheres of the cerebrum are connected by this structure rich in neural fibers.
ANSWER: corpus callosum (CORE-puhs cuh-LAH-suhm)
[10] This "area", found in the inferior frontal gyrus (GIE-ruhs), has been shown to correspond to speech production and is named for a French physicist.
ANSWER: Broca's area
16. This man oversaw the building of his palace of Sanssouci. For 10 points each:
[10] Name this king of Prussia who defeated Austrian forces in 1741 at the Battle of Mollwitz and also fought in the Seven Years' War.
ANSWER: Frederick the Great [or Frederick II; or Friedrich der Grosse; prompt on Frederick]
[10] Frederick the Great was a member of this ruling dynasty of Prussia that ultimately became the ruling family of the German Empire.
ANSWER: Hohenzollern
[10] An important force in the Kingdom of Prussia and the German Empire were these members of the landowning aristocracy. These country squires were represented by the German Conservative Party in the Reichstag.
ANSWER: Junkers
17. Name these U.S. bodies of water with something in common for 10 points each:
[10] The largest tributary of the Columbia River in the Pacific Northwest is this river that rises in Wyoming and passes through Hell's Canyon.
ANSWER: Snake River
[10] In contrast to the Missouri, this largest tributary of the Mississippi by volume flows from East to West and forms the border between Indiana and Kentucky.
ANSWER: Ohio River
[10] This tributary of the Colorado River flows through New Mexico and Arizona before joining it in Yuma, Arizona. Prior to the Gadsden Purchase, it formed part of the boundary between the U.S. and Mexico.
ANSWER: Gila River
147-12-53-13217
18. For 10 points each, name these Roman poets.
[10] This author of the Bucolics and the Georgics also described the title character's fight with Turnus and eventual marriage to Lavinia in the Aeneid.
ANSWER: Publius Vergilius Maro
[10] This author of Ars Amatoria told of a failed tryst with Corinna in his Amores, but is most famous for thoroughly traversing classical mythology in the Metamorphoses.
ANSWER: Publius Ovidius Naso
[10] This poet drew on the poetry of Sappho to describe his tumultuous affair with a woman he called Lesbia.
ANSWER: Gaius Valerius Catullus
142-12-53-13218
19. It featured tracks such as "Freddy Freeloader" and "Flamenco Sketches." For 10 points each:
[10] Name this 1959 jazz album that featured Bill Evans on piano, and John Coltrane and Cannonball Adderley on saxophone.
ANSWER: Kind of Blue
[10] Kind of Blue is an album by this trumpet player and bandleader whose other works include Birth of the Cool.
ANSWER: Miles Davis
[10] Another Miles Davis album features arrangements of Manuel de Falla's "Will o' the Wisp" and the second movement of the Concierto de Aranjuez; that album is called "Sketches of" this title location. ANSWER: Spain
20. For 10 points each, name these characters from The Adventures of Huckleberry Finn.
[10] This friend and companion of Huck disguises himself as his brother Sid and gets himself shot in the leg while rescuing Jim.
ANSWER: Tom Sawyer [or Tom Sawyer; prompt on Sawyer]
[10] Huck begins the novel living with this lady and her sister, Miss Watson, who attempt to "sivilize" him before he runs away.
ANSWER: the Widow Douglas
[10] This con man dreams up the "Shakespearean Revival" and the "Royal Nonesuch," but only reluctantly agrees to his older partner's scheme to steal from Peter Wilks's estate.
ANSWER: the duke [or Duke of Bridgewater]
003-12-53-13220
21. This work's epigraph is taken from Robert Burton's The Anatomy of Melancholy. For 10 points each: [10] Name this short story whose title location is filled with hexagonal galleries containing every possible 410-page book.
ANSWER: "The Library of Babel" [or "La Biblioteca de Babel"]
[10] This blind Argentinean author wrote "The Library of Babel" as well as "The Garden of Forking Paths" and "The Aleph," which exemplify his phantasmagoric style.
ANSWER: Jorge Luis Borges (HOR-hay loo-EES BOR-hays)
[10] This Borges short story collection contains "Death and the Compass" and the "Library of Babel," as well as a story about Pierre Menard trying to recreate Don Quixote (kee-HOE-tay).
ANSWER: Ficciones [or Fictions]

