



1. **One day during a downpour in this story, an old cleaning woman threatens to throw a chair at the central character. As it opens, the protagonist observes a framed magazine cutout of a woman wearing furs on the wall of his room. Three lodgers in this story are entertained by the violin playing of the protagonist's sister. The protagonist of this story attempts to drink a bowl of sweetened milk left by his door and dies after being pelted with (\*) apples by his father.** For 10 points, name this story in which Gregor Samsa is transformed into an insect, written by Franz Kafka.

ANSWER: *The Metamorphosis* [or *Die Verwandlung*]

020-11-41-02102

2. **In Aztec myth, this event occurred for the fourth time after Tezcatlipoca (tez-cat-lee-POH-ca) caused Chalchiuhtlicue (chal-chee-UT-lee-cue) to cry blood, and the Aztecs made human sacrifices to Huitzilopochtli (hwheat-zil-oh-POCHT-lee) to forestall this from happening for another fifty-two years. The *Prose Edda* recommends cutting the nails of the dead to forestall this event, as the ship *Loki* will lead to *Vigrid*, *Naglfar*, is made of the nails of (\*) dead people.** For 10 points, name this event in Norse myth called Ragnarok, which will see the destruction of everything.

ANSWER: end of the world [or obvious equivalents; or end of the fourth world or end of the fourth sun before "Huitzilopochtli"]

121-11-41-02103

3. **Franklin Roosevelt ended American occupation of this country after it elected Stenio Joseph Vincent as president. One leader of this country terrorized his political enemies with a secret police called the Tontons Macoutes. The United States occupied this country again after Raoul Cedras deposed its leader Jean-Bertrand Aristide. This country was led by Jean-Jacques Dessalines and Henry Christophe after it successfully broke away from (\*) French control in a rebellion lead by Toussaint Louverture.** For 10 points, name this country on the island Hispaniola in the Caribbean.

ANSWER: Republic of Haiti [or Republique d'Haiti; or Repiblik d' Ayiti]

015-11-41-02104

4. **A foundational figure of this discipline created the Ashtadhyayi and was known as Panini. Two of the predicate variety of these entities are found in Lojban and Loglan. One thinker developed the (\*) transformative-generative theory of this discipline, giving the example of "colorless green ideas sleep furiously" as a sentence that makes no sense approached from this discipline. This discipline encompasses morphology, phonology, and syntax.** For 10 points, give this term for a discipline concerned with the rules for the composition of words and sentences in languages.

ANSWER: grammar [prompt on linguistics before "predicate" is read]

020-11-41-02105

5. **On an undefined border with a neighbor to its south, this country claims the volcano Mount Baitou and its crater lake, known as Heaven Lake. This country's northwest is the site of the Tarim Basin, which contains the Takla Makan Desert. The (\*) Loess (LESS) Plateau in this country covers a portion of the basin of its second longest river, which takes its name from the color given to it by the loess.** For 10 points, name this country that has the Yellow and Yantze Rivers and a population of over one billion.

ANSWER: People's Republic of China [or Zhongguo; or Zhonghua Renmin Gongheguo]

023-11-41-02106

6. **Henry Reid proposed the elastic rebound theory to explain these phenomena. They are responsible for Love, or Q, waves. The absence of measurable effects of these phenomena led to the conclusion that the outer core is liquid. That absence of measurable effects is called the shadow zone, and is due in part to (\*) P waves being refracted by the outer core. Their intensity is measured on the Mercalli and Richter scales. For 10 points, name these geologic phenomena that occur when plates suddenly shift, causing the ground to shake.**

ANSWER: earthquakes [or seismic tremors]

140-11-41-02107

7. **In one of this man's films, a warlord argues that three arrows in a bundle cannot be broken before dividing his kingdom between his three sons; that film, inspired by *King Lear*, is *Ran*. He directed a film in which a woodcutter and two others give different accounts of a man's death, as well as a film starring (\*) Toshiro Mifune in which the title group of warriors is hired to protect a town. For 10 points, name this Japanese director of *Rashomon* and *The Seven Samurai*.**

ANSWER: Akira Kurosawa

048-11-41-02108

8. **In one battle, this man broke out of formation against the orders of his superior John Jervis, which helped his side win the Battle of Cape St. Vincent against the Spanish. This man destroyed the forces of Francois-Paul Brueys at another battle fought near Aboukir Bay. In another fight, this man signaled that (\*) "England expects that every man will do his duty" before he was mortally wounded by a sniper while on the *Victory*. For 10 points, name this British commander who won the Battle of the Nile and, despite his death, the Battle of Trafalgar.**

ANSWER: Horatio Nelson

023-11-41-02109

9. **This song was mashed up with "Points of Authority" and "One Step Closer" on its singer's collaboration with Linkin Park. The singer complains about a figure who wouldn't bust a grape in a fruit fight but is as loud as a motorbike. The singer is told that he was "doing fifty-five in a fifty-four" and is asked whether he is a lawyer due to his Fourth Amendment knowledge. This song, which is the ninth track on *The (\*) Black Album*, has a chorus that states "if you're having girl problems I feel bad for you son." For 10 points, name this 2004 single by Jay-Z.**

ANSWER: "99 Problems"

048-11-41-02110

10. **This party's first government was not re-elected partly due to the publication of the Zinoviev letter. That government's prime minister, Ramsay MacDonald, later defeated another party led by Stanley Baldwin to win re-election. After rebranding itself as (\*) "New," a government under this party created a national minimum wage and later nationalized Northern Rock. For 10 points, name this leftist party in the United Kingdom whose members include former prime ministers Clement Attlee, Tony Blair, and Gordon Brown.**

ANSWER: Labour Party

133-11-41-02111

11. George Orwell called this author a “jingo imperialist” in an essay titled for him. This author included the image of "new-caught, sullen peoples, half-devil and half-child" in a poem which asks the addressees to “send forth the best ye breed." This author, who concluded another poem with "you'll be a (\*) man my son!", described a British spy befriends a Tibetan lama in the novel *Kim*. Shere Khan hunts Mowgli in a work that includes this author’s short story “Rikki-Tikki-Tavi.” For 10 points, name this author of *The Jungle Book*.

ANSWER: Joseph Rudyard **Kipling**

124-11-41-02112

12. The "New" version of this group has been labeled a "hate group" and is lead by Malik Zulu Shabazz. A schism developed in this group when David Hilliard was criticized by *Soul on Ice* author Eldridge Cleaver. This group initiated a Free Breakfast for Children program. The Justice Minister of this group was H. Rap Brown. The Chicago Police assassinated a member of this group named Fred Hampton. This group was founded in (\*) Oakland by Huey P. Newton and Bobby Seale. For 10 points, name this Black nationalist group.

ANSWER: **Black Panthers** [or **Black Panther Party** for Self-Defense]

137-11-41-02113

13. This figure is told “That which you do, do quickly,” which was interpreted as a request to purchase things for an upcoming festival. Earlier, he protests a woman using expensive perfume to anoint a man, since the money could be used for the poor. One account says he used the money from his most notable action to purchase the so-called “Field of Blood,” while another account says he returned the money and hanged himself. This figure greets Jesus with a (\*) kiss in order to identify him to soldiers. For 10 points, name this disciple of Jesus who betrayed him for thirty pieces of silver.

ANSWER: **Judas** Iscariot [for Judas **Iscariot**; do not accept “Thaddeus”; do not accept “Jude”]

052-11-41-02114

14. One portion of this work asks, "Tell me then, who is the potter, pray, and who the pot?" The speaker claims that "all your piety and wit" cannot reverse the "moving finger" of destiny, which, "having writ, moves on." This collection advocates replacing scholarly pursuits with relaxed drinking. The most famous portion claims that "Wilderness were paradise enow!" since the speaker can enjoy a (\*) "jug of wine, a loaf of bread, and thou." Edward FitzGerald translated, for 10 points, what collection of quatrains by Omar Khayyam?

ANSWER: *The **Rubáiyát** of Omar Khayyám of Naishapur*

020-11-41-02115

15. This man wrote an operetta about Don Medigua, the Viceroy of Peru, called *El Capitan*. He wrote a piece to celebrate the 1882 Transit of Venus and he was commissioned to write a work for an award ceremony held by *The Washington Post*. He created a work whose tune is sometimes accompanied by the lyrics "Three Cheers for the (\*) Red, White, and Blue." That work is *The Stars and Stripes Forever*. For 10 points, name this American composer and bandmaster known as the "March King."

ANSWER: John Philip **Sousa**

001-11-41-02116

16. A pure solution of this material has a concentration of approximately 55 Molar, and a solution of 95% ethanol and 5% this substance forms a positive azeotrope. Its autoionization constant is equal to 10 the the negative (\*) 14th power. One molecule of it can form a series of four hydrogen bonds with neighboring molecules. Its maximum density occurs at approximately four degrees Celsius, and it boils at 100 degrees Celsius. For 10 points, name this common solvent with formula H<sub>2</sub>O.

ANSWER: **water** or **H<sub>2</sub>O**

048-11-41-02117

17. This artist repainted a plant from his *Woman with Plants* on a porch in the background of his most famous work. He included Leutze's *Washington Crossing the Delaware* in the background of his satirical painting *Daughters of Revolution*. One central figure of his most famous painting wears a brown and black dress and stands beside a (\*) bald man with glasses who wears overalls and a jacket and carries a pitchfork. For 10 points, name this Iowan painter of *American Gothic*.

ANSWER: Grant DeVolson Wood

124-11-41-02118

18. In general relativity, the equivalence principle states that this property is indistinguishable from a gravitational field. The time derivative of this quantity is the jerk. For a mass moving in a circle, this quantity will point towards the (\*) center. It is expressed in units of length divided by time squared. In Newton's Second Law, this quantity is equal to force divided by mass. For 10 points, name this vector, defined as rate of change in velocity.

ANSWER: acceleration [or gravity or word forms until "gravitational"]

121-11-41-02119

19. The author of this novel pokes fun at the Calvinist singer David Gamut, who is captured following the siege of Fort William Henry. The chief antagonist of this novel captures the sisters Alice and Cora Munro. After the death of Magua, Uncas is given the title appellation by his father (\*) Chingachgook. The frontiersman referred to as Hawkeye is the author's recurring character Natty Bumppo. For 10 points, name this "Leatherstocking Tale" by James Fenimore Cooper.

ANSWER: *The Last of the Mohicans: A Narrative of 1757*

020-11-41-02120

20. While being treated for this disease, the pathogen releases fever-producing chemicals in the Herxheimer (HURKS-high-mur) reaction. When transmitted to a fetus it causes mulberry molars and deafness. This disease, which is treated with penicillin G, has primary, secondary, and tertiary phases, and it can invade the brain in late stages. It is caused by the spirochete (SPEE-roh-keht) bacterium *Treponema (treh-poh-NEH-muh)* (\*) palladium. Some scholars argue that Christopher Columbus's crew brought this disease back to Europe. For 10 points, name this sexually transmitted disease that causes painless chancres (SHANK-ers).

ANSWER: syphilis

048-11-41-02121

21. This leader attempted to cultivate unused semi-arid lands during the Virgin Lands campaign. This ruler had talked in a model home with Vice President Richard Nixon in the Kitchen Debate. This leader was in power when his country captured Francis Gary Powers, a pilot of a U-2 spy plane. Polish leader Wladyslaw Gomulka was rehabilitated by this leader, who was also responsible for the execution of Imre Nagy. This leader gave a (\*) secret speech that resulted in his namesake thaw. For 10 points, name this Soviet premier who succeeded Joseph Stalin.

ANSWER: Nikita Sergeevich Khrushchev

130-11-41-02122

22. In one novel by this writer, the phrase "that you might forgive and forget what happened" is written down during a game of "Secretary" by Kitty. That novel ends with Kitty eventually marrying a rural reformer named Levin. In another novel by this writer, the old family estate Bald Hills inherited by Mary is rebuilt by her husband Nicholas. That novel ends with a plump Natasha marrying (\*) Pierre Bezukhov, who thought he was destined to assassinate Napoleon. For 10 points, name this Russian writer who wrote *Anna Karenina* and *War and Peace*.

ANSWER: Leo Tolstoy [or Lev Nikolayevich Tolstoy]

130-11-41-02123

23. **These objects can be described by Goldreich-Tremaine theory, which suggested that sharp boundaries in these objects result from the chaotic motion of two co-orbiting bodies. They may be generated when a satellite enters its parent body's Roche ("roash") zone, and like asteroids they may be detected by stellar occultation. The Cassini (\*) division in one of these objects from a 2:1 ("two-to-one") resonance with Mimas, an example of a shepherd moon. For 10 points, name these circular collections of dust found in orbit around bodies such as Saturn.**

ANSWER: planetary rings [or planetary ring systems]

133-11-41-02124



1. For 10 points each, answer the following about a certain baseball movie.

[10] This film focuses on Ray Kinsella's attempt to build a baseball diamond in the middle of his cornfield after hearing the words "If you build it, he will come."

ANSWER: *Field of Dreams*

[10] This New York Giant comes to the field after getting picked up by Ray. His nickname comes from having played one major league game, but never getting to bat.

ANSWER: Archibald "Moonlight" Graham

[10] Ray Kinsella is played by this American actor, who also starred as Crash Davis in *Bull Durham* and Lieutenant John Dunbar in *Dances with Wolves*.

ANSWER: Kevin Costner

137-11-41-02201

2. This philosopher reportedly once threatened Karl Popper with a fireplace poker. For 10 points each:

[10] Name this Cambridge professor and author of the work *Tractatus Logico-Philosophicus*. He also described the beetle in a box thought experiment in *Philosophical Investigations*.

ANSWER: Ludwig Josef Johann Wittgenstein

[10] Wittgenstein developed the idea of a "private" one of these entities which could only be understood by one person. Phonology studies how one of these entities uses sounds to construct meaning.

ANSWER: languages

[10] Wittgenstein's writings were used to promote the theory of logical positivism by members of a philosophical group based in this European city. This city's namesake "Circle" consisted of Rudolf Carnap and Richard von Mises.

ANSWER: Vienna

052-11-41-02202

3. The receptor tyrosine (TIE-roh-seen) type of this molecule is important in many different forms of cell signaling. For 10 points each:

[10] Name this type of protein that adds phosphate groups to other molecules.

ANSWER: kinase (KIE-nays)

[10] The phosphate group used by kinases is often derived from this molecule, which is the main energy currency of the cell. 34 molecules of it are created by the complete oxidation of a glucose molecule.

ANSWER: ATP or adenosine triphosphate

[10] This signaling molecule, which is created from ATP by the action of adenylylate (ah-DEN-ih-late)cyclase (SIY-klase), is responsible for activating protein kinase A.

ANSWER: cyclic AMP or cAMP

048-11-41-02203

4. During his battle with Zeus, this creature cut out Zeus's sinews and put them in a bag. For 10 points each:

[10] Name this father of all monsters, who had 100 heads and feet of serpents. His union with Echidna produced many foul creatures.

ANSWER: **Typhon**

[10] Among the children of Typhon and Echidna was this hell hound, whose capture was the subject of Heracles final labor. This creature was a dog with three heads.

ANSWER: **Cerebrus**

[10] Another child of Typhon was this hundred-headed dragon, who had the ability to speak in many voices. He helped guard the Golden apples of the Hesperides.

ANSWER: **Ladon**

048-11-41-02204

5. This organization is comprised of twenty-seven member countries. For 10 points each:

[10] Name this organization formed in 1993 that eventually replaced the European Atomic Energy Community and the European Coal and Steel Community.

ANSWER: **European Union** [or **EU**]

[10] The European Union was created by this 1992 treaty that formed the European Parliament and paved the way for the eventual adoption of the Euro.

ANSWER: **Maastricht** Treaty

[10] The European Economic Community and the European Atomic Energy Community were created by a 1957 treaty signed in this Italian city.

ANSWER: Treaty of **Rome** [or Treaties of **Rome**; prompt on "Treaty Establishing the European Economic Community"; prompt on "Treaty Establishing the European Community"; prompt on "Treaty on the Functioning of the European Union"]

130-11-41-02205

6. One section of this poem states that "nor gentle purpose, nor endearing smiles wanted, nor youthful dalliance as beseems fair couple" to describe a sexual encounter between Adam and Eve. For 10 points each:

[10] Name this epic poem which describes "man's first disobedience, and the fruit of that forbidden tree whose mortal taste brought death into the world."

ANSWER: **Paradise Lost**

[10] *Paradise Lost* was written by this British poet and essayist of *Areopagitica* when he was entirely blind.

ANSWER: John **Milton**

[10] In *Paradise Lost*, Mammon directs the fallen angels to construct this capital of Hell, where the Stygian Council convenes.

ANSWER: **Pandemonium**

020-11-41-02206

7. Name these literary characters whose names became English nouns, for 10 points each.

[10] In a George du Maurier novel, this man attains hypnotic power over the singer Trilby. His name has become a word for any person who manipulates another.

ANSWER: **Svengali**

[10] This character from Nicholas Rowe's *The Fair Penitent* is an amoral seducer; the noun from his name can mean any great lover of women.

ANSWER: **Lothario**

[10] This man, who sees four ghosts in Charles Dickens's *A Christmas Carol*, is now a name for a cheap person, even though he repents at the end of the novel.

ANSWER: Ebenezer **Scrooge**

019-11-41-02207

8. Name these things about the "Arab Spring," for 10 points each.

[10] The suicide of Mohamed Bouazizi (boo-ah-ZEE-zee) led to protests that ousted this longtime dictator of Tunisia.

ANSWER: Zine El Abidine **Ben Ali**

[10] Protests in neighboring Libya led to a civil war against this dictator, who overthrew King Idris and wrote *The Green Book*.

ANSWER: Mu'ammer Muhammad al **Gaddafi**

[10] The National Transitional Council, which is leading the rebels against Gaddafi, is based from this city.

ANSWER: **Benghazi**

123-11-41-02208

9. This poetry collection opens with the line "Folly, sin, and avarice" in "To the Reader," which concludes by calling the reader a hypocrite. For 10 points each:

[10] Name this poetry collection that includes "The Albatross" in the section "Spleen and Ideal."

ANSWER: *Les **Fleurs du Mal*** [or *The **Flowers of Evil***]

[10] *Les Fleurs du Mal* was written by this French Symbolist poet.

ANSWER: Charles **Baudelaire**

[10] This other French Symbolist wrote the line "These nymphs I would perpetuate" in his poem "The Afternoon of a Faun."

ANSWER: Stéphane **Mallarmé** [or Étienne **Mallarmé**]

124-11-41-02209

10. This country served as a seat of government when king Joao VI fled to it during Napoleon's invasion of the Iberian peninsula. For 10 points each:

[10] Name this country that was ruled by Pedro I and Pedro II in the nineteenth century. More modern rulers of this country include Luiz Lula de Silva.

ANSWER: Federative Republic of **Brazil** [or Republica Federativa do **Brasil**]

[10] In 1888, Princess Isabel passed the Golden Law, which ended this practice in the Empire of Brazil. A Law of Free Birth had been instituted in 1871 in Brazil to try and end this practice more slowly.

ANSWER: **slavery** [accept equivalents]

[10] This other ruler was head of the Estado Novo and ruled Brazil for a total of eighteen years. His second stint in office ended with his suicide in 1954.

ANSWER: Getulio Dorneles **Vargas**

048-11-41-02210

11. This novelist's most recent work is about the Collyer brothers, who were known for their compulsive hoarding. For 10 points each:

[10] Name this author of *Homer and Langley*, *The March*, and *Ragtime*.

ANSWER: E.L. **Doctorow**

[10] Doctorow's *The Book of Daniel* fictionalizes the events surrounding the execution of this couple, who were convicted of being Soviet spies. Robert Coover's *The Public Burning* also concerns them.

ANSWER: Julius and Ethel **Rosenberg**

[10] This author set one of her novels during the summer of the Rosenberg execution. That novel concerns Esther Greenwood's descent into depression and is entitled *The Bell Jar*.

ANSWER: Sylvia **Plath**

048-11-41-02211

12. August Spies gave a speech right before this event, and it was set off by the death of Mathias Degan. For 10 points each:

[10] Name this riot that occurred after someone threw a pipe bomb at a group of policemen during a labor rally. It occurred near the McCormick Harvesting Company.

ANSWER: **Haymarket** Square Riot [or **Haymarket** Affair; or **Haymarket** Massacre]

[10] The Haymarket Riot took place in this city, which has had two mayors named Richard Daley. Another notable incident here involved the Yippies protesting the 1968 Democratic National Convention.

ANSWER: **Chicago**

[10] This Governor of Illinois later pardoned several of the anarchists who were tried for the bomb-throwing. The pardons did not help him politically.

ANSWER: John Peter **Altgeld**

048-11-41-02212

13. For 10 points each, name these people who have written about the process of education.

[10] This Massachusetts politician used the Prussian system of common schools to reform several educational systems across the Northeast during the mid nineteenth century.

ANSWER: Horace **Mann**

[10] This author of *The Social Contract* described the education of the male counterpart of Sophie in his book *Emile*.

ANSWER: Jean-Jacques **Rousseau**

[10] This woman worked to establish a school for the poor of Rome that was the first to utilize her namesake method of allowing children greater freedom in learning.

ANSWER: Maria **Montessori**

040-11-41-02213

14. One section of this ballet is based on the Quaker hymn "Simple Gifts", and depicts the daily lives of a farmer and his wife. For 10 points each:

[10] Name this ballet, which shows the celebration of a group of Pennsylvania farmers after they succeed in building a new farmhouse.

ANSWER: **Appalachian Spring**

[10] This American composer of *Rodeo*, which includes the beef-commercial staple "Hoedown", wrote the music for *Appalachian Spring*.

ANSWER: Aaron **Copland**

[10] This triumphant, patriotic Copland piece was inspired by a 1942 Henry Wallace speech. On hearing of its March debut, Copland told its commissioner, Eugene Goossens, that he was "all for honoring" the title figure "at income tax time".

ANSWER: **Fanfare for the Common Man**

048-11-41-02214

15. An early one of these for Java strings fared poorly for URLs because they used only the first and last four characters of the string. For 10 points each:

[10] Name these functions which map objects to integers representing the object's location in a table.

ANSWER: **hashing** functions

[10] For a good hash function this is the expected asymptotic runtime of finding, inserting, or removing an element from a hashtable of  $n$  elements. This runtime means that the size of the hashtable doesn't matter.

ANSWER: Big-Oh of **one** time [accept **Constant** time; accept any numerical constant other than one; accept Big-Oh of **n to the zeroth** power]

[10] Hashtables are often used to implement these mathematical constructs, which are a collection of unique elements. They are the subject of a theory by Zermelo and Frankel.

ANSWER: **set**

093-11-41-02215

16. Subranges of this mountain chain include the Blue Ridge and Black Mountains. For 10 points each:

[10] Name this mountain range which runs along the eastern coast of the United States from Alabama to Canada.

ANSWER: **Appalachian** Mountains

[10] This tallest peak in the Appalachians is Mount Mitchell, located just northeast of Asheville in this state.

ANSWER: **North Carolina**

[10] The Appalachian Trail begins in Georgia and concludes at this northern peak, the tallest mountain in Maine.

ANSWER: Mount **Katahdin**

015-11-41-02216

17. Name the following quantities from kinematics, for 10 points each:

[10] This vector quantity tells you the difference between your initial and final position.

ANSWER: **displacement**

[10] In contrast to displacement is this scalar quantity that measures the total amount traveled, regardless of the path taken.

ANSWER: **distance**

[10] Besides their differences in their definitions, distance and displacement are different in that the latter is a vector because besides magnitude, it also has this characteristic.

ANSWER: a **direction**

147-11-41-02217

18. The Helmasperger Instrument describes how this man lost one lawsuit to Johann Fust, who then took over this man's workshop and was assisted by Paul Schoeffer. For 10 points each:

[10] Name this craftsman from Mainz who was supported by Andreas Dritzehn, Andreas Heilmann, and Hans Riffe in one venture.

ANSWER: Johannes **Gutenberg** [or Johannes **Gensfleisch** zur Laden]

[10] Gutenberg invented this machine that used movable type to place images and words onto paper.

ANSWER: **printing press**

[10] Gutenberg created a Forty-two-Line version of this book in 1455 in Mainz, and is sometimes also credited with creating a Thirty-six-Line version in Bamberg.

ANSWER: **Bible**

023-11-41-02218

19. There are twenty standard ones, and they can be divided into acidic, basic, polar, and nonpolar types.

For 10 points each:

[10] Name these building blocks of proteins that contain both an amine and a carboxyl group. Their unique properties derive from their side chains.

ANSWER: **amino acids**

[10] This amino acid has an imidazolium side chain. When it is decarboxylated it forms a chemical mediator responsible for the allergic response, called histamine.

ANSWER: **histidine** or **his** or **H**

[10] The amino acid cysteine is the only one with a thiol in its side chain. Cysteine is thus responsible for forming these bridges, which help form a protein's tertiary structure.

ANSWER: **disulfide** bridges or **disulfide** bonds

048-11-41-02219

20. John Everett Millais included this painting in the background of his *The Black Brunswicker*, and the five versions of this painting differ primarily in the colors used for the horse and the cloak. For 10 points each:

[10] Name this picture depicting a French conqueror pointing forward as his horse rears up in the Great St. Bernard Pass.

ANSWER: **Napoleon Crossing the Alps** [or **Bonaparte Crossing the Alps**; prompt on *Napoleon at the Saint-Bernard Pass*]

[10] *Napoleon Crossing the Alps* was painted by this French Neoclassical artist, whose other works include the *Oath of the Horatii* and *The Death of Marat*.

ANSWER: Jacques-Louis **David**

[10] This pupil of David painted Napoleon in full imperial regalia holding a pair of scepters sitting on a throne. His other paintings include *The Apotheosis of Homer* and *La Grande Odalisque*.

ANSWER: Jean Auguste Dominique **Ingres**

048-11-41-02220

21. Name some European explorers, for 10 points each.

[10] This Italian-born explorer serving under Henry VII of England made three voyages to Newfoundland in 1497.

ANSWER: John **Cabot** [or Giovanni **Caboto**]

[10] This Danish explorer serving in the Russian Navy led the Kamchatka Expedition and discovered the Aleutian Islands and Alaska itself.

ANSWER: Vitus **Bering**

[10] This Venetian traveler wrote *Il milione*, a work about his visit to the court of Kublai Khan.

ANSWER: Marco **Polo**

020-11-41-02221