



1. In a novel from this country, the narrator remembers seeing the emperor look up "that Schratt lady's" skirt while on guard duty and repeatedly references Batista's books on marital bliss and sexual hygiene in his lecture to some sunbathing girls. An author from this country wrote a novel which ends with a man jumping into the paper compactor from which he has been saving books. In a play from this country, an argument erupts over whether Small Dance Floor C is larger than Large Dance Floor A. The novel *Too Loud a Solitude* is from this country, where another author wrote about a man who is demoted to "staff watcher" after opposing a language called Ptydepe. Another play from this country is set at an event hosted by the Liquidation Office. For 10 points, name this country, home to Bohumil Hrabal and the author of *The Memorandum* and *The Garden Party*, Vaclav Havel.

ANSWER: **Czech** Republic [or **Czechoslovakia**]

252-14-67-12101

2. This building was the main target of a major 2009 cyber-attack. Unit 684, formed from men taken out of jails, was formed after an attempted military action against this structure. The elite Unit 124 bypassed the Bridge of No Return to lead that attack after which Deputy Secretary of Defense Cyrus Vance agreed to buy millions of dollars worth of products to prevent a counterattack. The USS Pueblo was captured after an attempted attack on this building and that attack was an attempt to kill Park Chung-Hee on the orders of Kim Il-Sung. For ten points, name this building that North Korean forces attempted to raid, a building named for its colored roof and the official residence of South Korean presidents.

ANSWER: The **Blue House** [or **Cheongwadae**]

250-14-67-12102

3. The final paragraph of this essay asks what the effects on "the correlative institution of private property" will be if the reforms it proposes are implemented. This essay claims that a "relation of mastery" must be displayed towards "a trophy of the raid," which is why a "protective mimicry" forms a ritual of "feigned capture" in modern society. This essay says that a "polite odium" is displayed towards non-coercive forms of marriage, and there is a loss of caste intendant on the "masterless" and "unattached." This essay begins by explaining that it is an extension of ideas on division of labor put forth in "The Instinct of Workmanship" and puts forth the central thesis that modern society treats a certain group as property due to inheriting attitudes from pre-historical raiders. For 10 points, name this essay by Thorstein Veblen about the origin of marriage.

ANSWER: "The **Barbarian Status of Women**"

019-14-67-12103

4. A document involved in this controversy mentions the "airs of importance" put on by a boy who may have been Thomas Woodson. The name of a man whom Edmund Bacon implicated in this controversy was censored from his memoirs. The man who began this controversy had earlier attacked "a hideous hermaphroditical character" in the pamphlet *The Prospect Before Us*. This controversy centers on a resident of Mulberry Row, and one family deflected it by blaming relative Peter Carr. This controversy was begun by articles published in the *Richmond Recorder* by James Callender. A 2001 Scholars' Commission cast some doubt on the conclusion reached by a 1998 DNA study on this controversy. For 10 points, name this controversy over the parentage of a Monticello slave's children.

ANSWER: Thomas Jefferson-Sally **Hemings** controversy [or anything indicating the question of who fathered Sally **Hemings**'s children; prompt on less specific answers]

252-14-67-12104

5. Phytoplankton with very high levels of this element are called "survivalists" because they are better at acquiring scarce resources. *Agropyron repens* dominated areas high in this element in experiments by David Tilman, which found that early successional species are better at acquiring it. The partner choice and sanctions hypotheses can explain a symbiosis centering around this element. Plants produce leghemoglobin to avoid oxygen poisoning of an enzyme that processes this element. Diazotrophs are able to survive without external sources of this element, and in oceans, the anammox process decreases its availability. This is the most commonly limiting element in terrestrial ecosystems, but most legumes have rhizobial root nodules capable of fixing it into ammonium. For 10 points, name this element whose diatomic form makes up 78% of the Earth's atmosphere.

ANSWER: **nitrogen** [or **N**]

237-14-67-12105

6. Cupid, holding some lightning bolts, watches this scene from the back of an eagle in a painting by Jacob Jordaens. The most famous version of this scene is in the Isabella Stewart Gardner Museum and was rendered with gloomier colors in a copy made by Rubens on a sojourn to Spain. The title figure's foot is kissed in the closest of three scenes depicting this action in a Paolo Veronese painting. Phillip II commissioned the best-known version of this scene, where a putto watches the central action while grasping the fins of a dolphin. In that version, the diagonally rendered title figure waves a pink cloth in her left hand and grabs onto a horn with her right. For 10 points, name this mythological scene painted by Titian where the title figure is carried away on a white bull.

ANSWER: The **Rape of Europa** [or the **Abduction of Europa**]

094-14-67-12106

7. This story opens by describing a "wavy ocean" made up of the heads of "curious caddies", "ingenious chauffeurs" and "the golf professional's deaf sister". Characters in this story include Bessie MacRae, who has been "the life of the party a little too long-ten years" and Charley Paulson, who's told by the protagonist she "[wants] to be a society vampire". The title character initially bores her companions by talking about her car and her hometown of Eau Claire. The title action of this story finally takes place at the Sevier Hotel and was prompted by Warren McIntyre's interest in the protagonist and the scheming of cousin Marjorie. For 10 points, name this story from *Flappers and Philosophers* by F. Scott Fitzgerald where the title character gets sheared in a new style.

ANSWER: "**Bernice Bobs Her Hair**"

094-14-67-12107

8. When the rank 2 tensor associated with this quantity is diagonalized, it can be shown that its intermediate eigenvalue leads to instability. Three different forms of this value must necessarily be in descending order for the tennis racket theorem to apply, and those values of this quantity are multiplied by angular velocity in the Euler equations. This quantity remains unchanged for a rigid body that is pulled according to the stretch rule. This quantity is in the numerator in the formula for radius of gyration where it is divided by cross-sectional area. If this value is known at the centre of mass, it can be calculated for any other point by the parallel axis theorem. For 10 points, name this quantity, the rotational analog of mass.

ANSWER: **moment of inertia** [prompt on "I"]

245-14-67-12108

9. ?A supporting character in this novel embarrasses his family by being caught playing dice with waiters in a cloakroom instead of attending a formal function. The main character of this novel is disappointed when only Frank Dowling wants to dance with her. Charley Lohr interrupts dinner in this novel to announce that Walter has left town after embezzling money. In this novel, the head of the Lamb Wholesale Drug Company causes the title character's father to have a stroke by stealing his formula for a superior glue. The main character of this novel fails to win a marriage proposal from Arthur Russell and enrolls in Frincke's Business College. For 10 points, name this novel about a poor small-town girl, written by Booth Tarkington.

ANSWER: **Alice Adams**

019-14-67-12109

10. Two minor characters in this film make a *Lost* joke when one tells the other, "See you in another life, brother" before dying. A character in this film admits that her middle name was actually "Rose" after being fatally wounded trying to start a helicopter. Early in this film, several characters are made to eat the playing cards they were concealing. This film climaxes with an assault on a parking garage underneath the Louvre and is based on the Japanese light novel *All You Need Is Kill*. The protagonist of this film meets up with the "Angel of Verdun" after absorbing the blood of an Alpha. Emily Blunt plays Rita Vrataski in this film. For 10 points, name this 2014 sci-fi film where Tom Cruise's character returns to the same point every time he dies.

ANSWER: **Edge of Tomorrow**

094-14-67-12110

11. The interaction of this phenomenon with two-dimensional turbulence causes the destruction of coherent vortices by the Rhines effect. Their speed can be given by the formula  $U$  minus twice the Earth's angular velocity times cosine latitude times wavelength squared over quantity  $4\pi$  times the mean radius of the earth. These entities result in the generation of low-pressure troughs and high-pressure ridges that determine the location of the polar front. The vertical component of these things determines if they are baroclinic or barotropic. These entities are driven by the change in Coriolis force with latitude and are the cause of meanders in jet streams. For 10 points, name these high altitude, planetary-scale waves named for a Swedish meteorologist.

ANSWER: **Rossby waves** [or **planetary waves** before mentioned; prompt on "inertial waves"]

245-14-67-12111

12. Pompey's Pillar marks one former site of devotion to this god, whose main temple was destroyed by Theophilus in 391. A statue of this deity was stolen from Sinope on the orders of the mysterious "unknown god," after which both the reigning Eumolpidae and Manetho pronounced the identity of this deity. The central statue of this god had an object on his head identified as the modius, a basket used to apportion grain. This god was depicted with Cerberus at his feet and was the father of Harpocrates. This god's worship was encouraged as a syncretic practice in the 310s BCE, and his main cult center was in Alexandria. For 10 points, name this main god of Ptolemaic Egypt.

ANSWER: **Serapis**

019-14-67-12112

13. This country's capital is the site of the Gadime Marble Cave and Batllava Lake, as well as a monument consisting of the word "NEWBORN" spelled out in large yellow letters. This country is the source of an ongoing exodus of the Gorani people. This country's governance is subject to the Ahtisaari Plan, and the Clint Williamson investigation has indicted several of its politicians for war crimes. What is now this country was the subject of Operation Noble Anvil, the first NATO mission ever undertaken without United Nations approval. The western part of this country, known as the Metohija, is still disputed with its western neighbor, from which this country declared independence in 2008. For 10 points, name this republic which was the target of ethnic cleansing attempts by the Slobodan Milosevic regime in the late 1990s and is now independent from Serbia.

ANSWER: **Kosovo**

019-14-67-12113

14. A series of carbon-to-carbon condensations of this molecule to produce sugars and hydroxyacids was developed in 1861 by Butlerow. This compound reacts with 1,3-butadiene to form dihydropyran in the Diels-Alder reaction. This compound is combined with 18 molar concentrated sulfuric acid to produce a reagent used for testing MDMA. That is the Marquis reagent. This compound was reacted with phenol and wood flour under high pressure to form the first ever synthetic plastic in the Bakelite process. Although it is not a carboxylic acid, methanol can be oxidized to form this compound. For 10 points, name this simplest aldehyde, with formula CH<sub>2</sub>O, often used as a preservative in anatomy labs.

ANSWER: **formaldehyde** [or **methanal**; do not accept "methanol"]

245-14-67-12114

15. Much controversy surrounds whether a strange A sharp in the transition to the recapitulation of this piece's first movement ought to be an A natural. This piece's second movement concludes with four bars of prestissimo B natural octaves before reprising the B flat major dotted eighth, sixteenth, quarter, eighth note theme. This piece's first movement modulates from E flat major to B major in its four-voice fugato development built out of sequences of descending thirds. A tenth leap, followed by a trill and two descending seven-note scales, constitutes the subject of the monumental three-voice fugue comprising most of this sonata's final movement, which follows the lengthy F sharp minor adagio. For 10 points, name this challenging late piano sonata by the composer of *Fidelio*, nicknamed for the German term for early pianos.

ANSWER: Ludwig van **Beethoven**'s Piano Sonata No. **29** [or **Hammerklavier Sonata**]

237-14-67-12115

16. The Iridium Jazz Club in New York still names Monday shows for this artist, who performed two sets a week there late in his career. He traded off with Nat King Cole on a performance of "Blues" at the first Jazz at the Philharmonic concert. This man's namesake trio accompanied Bing Crosby on the hit, "It's Been a Long Long Time". His best known creation began as a prototype called "The Log" which improved on the Rickenbacker "Frying Pan" and through its solid body reduced soundboard vibrations in favor of the strings. While making songs with his wife Mary Ford, this "Wizard of Waukesha" invented the eight-track tape recorder and overdubbing. The rival Telecaster beat his solid-body signature instrument to market by four years. For 10 points, identify this namesake of a Gibson electric guitar.

ANSWER: Les **Paul** [or Lester William **Polsfuss** or **Red Hot Red** or **Rhubarb Red**]

094-14-67-12116

17. After visiting one of these places, Edward Wakefield caused public outrage by describing the case of an American sailor named James Norris. While working at one of these places, John Haslam documented a story about a group of French agents, including the Glove Woman and Bill the King, who operated a mind-control device called the Air Loom. James Tilly Matthews lived in one of these places, and the Quaker William Tuke founded the York Retreat in reaction to their policies. A device called the Circulating Swing was developed for these places by Erasmus Darwin. Abraham-men were beggars who pretended to have left one of these places, and the last entry in Hogarth's *The Rake's Progress* depicts the upper-class practice of visiting the most famous one of them. For 10 points, name these institutions exemplified by Bethlem Royal Hospital, or Bedlam.

ANSWER: Insane **asylums** [or **mental hospitals**; or **madhouses**; prompt on hospitals]

252-14-67-12117

18. Nathaniel Wraxall attempted to overthrow one king of this name with the help of that king's exiled former wife, Caroline Matilda. That king executed Johann Struensee. The longest serving ruler of this name was defeated at the Battle of Lutter. One ruler with this name was crowned by Gustav Trolle before being thrown out of a country by Lady Kristina. That ruler was known as "the tyrant" for his role in the Stockholm Bloodbath. One ruler of this name set off an international incident when he replied "Giving my best thanks" to a birthday letter. That king rode through his capital every day and apocryphally wore a Star of David in support of his Jewish subjects. For ten points, give this regnal name that, along with Frederick, has been the name of many members of the House of Oldenbourg who have been Danish kings.

ANSWER: **Christian** of Denmark

250-14-67-12118

19. Before the protagonist of this novel was born, his mother dreamt that she gave birth to a tennis ball, which Satan, in the guise of her midwife, then knocked out of sight. The hero of this work is almost hanged as a spy by Oakham for keeping a notebook in Greek. While working for a London apothecary, its hero cures the sick prostitute, Miss Williams. The protagonist, who defeats Lord Quiverwit in a duel, meets his disguised long-lost father on a trip to South America and his father later buys his family's Scottish estate. In an autobiographical episode, its hero participates in the Battle of Cartegna after being pressed into service as a surgeon's mate on the *Thunder* and goes on to fall in love with Narcissa. For 10 points, name this picaresque first novel by Tobias Smollett.

ANSWER: *The Adventures of* **Roderick Random**

094-14-67-12119

20. Among the internal senses, this philosopher listed the faculty of estimation, or *wahm*, which perceives the inner meanings of things rather than their form. He argued that existence is a super-added attribute to essence, and is thus an accident. He imagined a man who had no sensory input but retained self-awareness to argue that the capacity for thought does not depend on the senses. Al-Ghazali summarized this man's philosophy in *The Intentions of the Philosophers* before refuting his Aristotelianism in *The Incoherence of the Philosophers*. This creator of the Floating Man thought experiment summarized Galen's teachings into five volumes in his *Canon of Medicine*. For 10 points, name this early Islamic philosopher from Persia who wrote *The Book of Healing*.

ANSWER: Avicenna [or Ibn Sina]

237-14-67-12120

21. They're not books, but two of these objects rest on a table in Giorgio Vasari's *Portrait of Six Tuscan Poets*. In another painting, one of these objects made by Jodocus Hondius rests on top of a bookshelf behind the title figure who stares out a window and holds a compass in his hand. The subject rests her right hand on one of these objects while in the background the Spanish Armada smashes against rocks in a George Gower portrait of Elizabeth I. One of these objects appears to the left of a lute with a broken string in a painting where another is partially obscured by the left shoulder of Jean de Dinteville; that painting is Holbein's *French Ambassadors*. For 10 points, name these spherical objects which appear in Vermeer's *The Astronomer* and *The Geographer*.

ANSWER: a globe [or celestial globe; do not accept "maps"]

094-14-67-12121



1. This man was prosecuted for blasphemy for his role as editor of the *National Reformer*. For 10 points each:

[10] Identify this Victorian radical and atheist who was denied a seat in Parliament for over five years because he would not take the religious oath necessary to join the House of Commons.

ANSWER: Charles **Bradlaugh**

[10] Bradlaugh was a supporter of this cause, also advocated by the WSPU and the Pankhurst family. It was partially achieved through the Representation of the People Act of 1918.

ANSWER: universal women's **suffrage** [or universal **suffrage** or equivalents like the right of women to **vote**]

[10] This husband of the American beauty Jennie Jerome and Secretary of State for India during the 3rd Anglo-Burmese War was one of Bradlaugh's most vocal critics. His son wrote his biography and also authored *The Great Democracies* and *While England Slept*.

ANSWER: Randolph **Churchill** [or Lord Randolph Henry Spencer **Churchill**]

094-14-67-12201

2. For turbulent flow, this value equals the size of the largest eddies in the system. For 10 points each:

[10] Name this quantity, the distance over which an entity can be influenced by a disturbance.

ANSWER: **correlation length** [or **coherence length**]

[10] Since the transformation using this group always multiplies the correlation length by some factor, this group can be used to show that the correlation length tends to infinity at a critical point.

ANSWER: **renormalization** group

[10] The correlation length appears as a critical exponent in this model of ferromagnetism, whose two-dimensional version was described by Lars Onsager.

ANSWER: **Ising** model

245-14-67-12202

3. In this experiment, 2-mercaptoethanol and urea were added to a test tube containing the enzyme ribonuclease. For 10 points each:

[10] Name this study which showed that a protein's amino acid sequence was sufficient to determine its tertiary structure.

ANSWER: **Anfinsen**'s experiment [prompt on "protein folding" experiment]

[10] Anfinsen's experiment studied the nature of protein folding, a process which can be sped up through the use of these proteins. One such example is HSP70, a family upregulated in the environment of high temperature and toxic heavy metals.

ANSWER: **chaperone** proteins [prompt on "heat shock proteins"]

[10] This is the name given to the hypothesized intermediate in the protein folding process, in which secondary structure like alpha helices and beta sheets are intact but the tertiary structure has not yet formed.

ANSWER: **molten globule**

245-14-67-12203

4. This man's rule is occasionally referred to as the second "Infamous Decade." For 10 points each:

[10] Name this man with glorious sideburns who privatized the YPF as part of his Convertibility Plan as president of Argentina during the 1990s.

ANSWER: Carlos **Menem**

[10] Menem pursued the Convertibility Plan due to the occurrence of this terrible phenomenon. This phenomenon was also experienced in Peru under Alan Garcia and most famously in the Weimar Republic.

ANSWER: **hyperinflation** [prompt on "inflation"]

[10] Menem frequently had to deal with strikes by this massive labor union in Argentina. Led throughout the Peron years by Jose Rucci, this party had supported Raul Alfonsin's UCR Party, leading to animosity with Menem's regime.

ANSWER: **CGT** [accept **General Confederation of Labor** of the Argentine Republic; accept **Confederacion General del Trabajo** de la Republica Argentina]

250-14-67-12204

5. *Gendhing* refers to the cyclic structures through which compositions for these ensembles are punctuated by gongs of various sizes. For 10 points each:

[10] Name this general kind of largely percussion-based musical ensemble whose Javanese kind uses the five-note *slendro* and seven-note *pélog* scales.

ANSWER: **gamelan**

[10] Each of this work's three movements has a Balinese gamelan-inspired conclusion. This work by a Les Six composer was commissioned by Princess Edmond de Polignac, and its larghetto second movement is an homage to Mozart.

ANSWER: **Concerto for Two Pianos and Orchestra in D minor**

[10] The *slendro* scale was a likely influence on the pentatonic scales in "Pagodes" from this Impressionist composer's *Estampes*. His other piano works include *Suite bergamasque*.

ANSWER: Claude-Achille **Debussy**

237-14-67-12205

6. Following the death of this character, her killer also slays Thersites after being mocked for falling in love with her corpse. For 10 points each:

[10] Name this Amazon killed by Achilles.

ANSWER: **Penthesilea**

[10] Penthesilea went to Troy to die after committing this action during a deer hunt.

ANSWER: accidentally **killing Hippolyta** [or equivalents; prompt on answers that do not specify who was killed]

[10] Earlier, the girdle of Hippolyta had been stolen by Heracles after this sister of Hippolyta fell in love with Theseus and betrayed the Amazons.

ANSWER: **Antiope**

019-14-67-12206



7. This woman instructed her readers to "look the whole world in the face with a go-to-hell look in the eye" in her magazine *Woman Rebel*. For 10 points each:

[10] Identify this woman whose final essay, "Some Consequences of Ignorance and Silence", was censored from her series "What Every Girl Should Know".

ANSWER: Margaret **Sanger**

[10] After being arrested for giving out instructions on contraception to an undercover police officer, Sanger's younger sister Ethel Higgins Byrne almost died while performing this type of protest in prison. The Cat and Mouse Act freed Suffragettes who were performing this action in British jails.

ANSWER: **hunger strikes**

[10] In this Appeals Court case from 1936, Justice Augustus Hand argued that the provisions of the 1930 Tariff Act did not prevent a doctor from importing the namesake type of birth control.

ANSWER: *United States v. **One Package** of Japanese Pessaries* [accept in either order]

094-14-67-12207

8. The speaker calls this object a "queen of comfort and of good company" and tells it that "I am shave as nigh as any frere." For 10 points each:

[10] Name this object which is referred to as "my lady dear" and "my hearte's steer" in a "Complaint" poem.

ANSWER: a **purse**

[10] This poet wrote a complaint to his purse and complaints to Venus and Mars, but he is better known for long poetic works *The House of Fame* and *Parlement of Fowls*.

ANSWER: Geoffrey **Chaucer**

[10] In this other dream vision poem by Chaucer, Queen Alceste complains about the misogyny found in his Troilus and Criseyde and tells him to write praises of "maidens and wives who were ever faithful in love."

ANSWER: *The **Legend of Good Women***

252-14-67-12208

9. Michael Levin coined this term at a 1984 exhibition. For 10 points each:

[10] Give this name for the cluster of over 3000 Bauhaus buildings designed by exile architects such as Erich Mendelsohn and Carl Rubin.

ANSWER: the **White City**

[10] The White City is a major neighborhood in this city, part of a joint municipality with Jaffa, and the second most populous in Israel.

ANSWER: **Tel Aviv**

[10] Southern Tel Aviv is a center of this ethnic group, comprised of Jews descended from communities in other Middle Eastern countries.

ANSWER: **Mizrahi**

019-14-67-12209

10. This philosopher argued for a state held together by personal bonds rather than being governed like a factory in his essay "Faith and Love." For 10 points each:

[10] Name this German philosopher who called for a renewal of European cosmopolitanism after Martin Luther's schism in "Christianity or Europe." His notes for an encyclopedia, *Das Allgemeine Brouillon*, describe his "magical idealism."

ANSWER: **Novalis** [or Georg Philipp Friedrich Freiherr von **Hardenburg**]

[10] Novalis wrote a book of studies critiquing this German idealist, who was accused of atheism for identifying God with the moral order of society in "On the Ground of Our Belief in a Divine World Governance." He also wrote *Foundations of Natural Right*.

ANSWER: Johann Gottlieb **Fichte**

[10] Novalis was also a friend of this philosopher, who asserted that man can only achieve freedom through beauty in his *Letters on the Aesthetic Education of Man*. He also wrote plays like *The Robbers*.

ANSWER: Johann Christoph Friedrich von **Schiller**

237-14-67-12210

11. These forms include the "smoke-colored" Dhoomravarna and the "king of the world" Vighnaraja. For 10 points each:

[10] Identify these eight forms which a god repeatedly takes to descend to Earth and slay a demon.

ANSWER: the **avatars of Ganesh**

[10] A myth about Ganesh has him encounter this demon, who is later the primary antagonist of the Ramayana after he kidnaps Sita.

ANSWER: **Ravana**

[10] In that myth, Ravana accidentally forms Gokarna when he violates Ganesh's command to never lay this object on the ground.

ANSWER: a Shiva **lingam**

019-14-67-12211

12. This economist's book *The Theory of Interest* introduces his separation theorem, which suggests that regardless of its owners' preferences, a firm's objective is to maximize its present value. For 10 points each:

[10] Name this American economist who gave the first algebraic formulation of the equation of exchange, and whose namesake hypothesis states that the real interest rate is stable and unaffected by monetary actions.

ANSWER: Irving **Fisher**

[10] Another important separation theorem in finance is this theorem, which states that the value of a firm is independent of how it is financed, given many assumptions including information symmetry and absence of taxes.

ANSWER: **Modigliani-Miller** Theorem [accept either order; or **capital structure irrelevance** proposition]

[10] The Fisher equation states that the nominal interest rate equals the real interest rate plus this quantity, whose negative relationship with unemployment is depicted in the Phillips curve.

ANSWER: **inflation** rate

237-14-67-12212

13. In this novella, the title character murders some peasants and buries them in a graveyard so that a doctor will be able to hunt for will-o-the-wisps there. For 10 points each:

[10] Identify this novella in which the Bad 'Un returns from the Turkish wars and terrorizes his village but it is ultimately reunited with the Good 'Un.

ANSWER: *The **Cloven Viscount*** [or *Il **visconte dimezzato***]

[10] *The Cloven Viscount* was included in *Our Ancestors*, a novella collection by this Italian author who also wrote *If on a winter's night a traveler*.

ANSWER: Italo **Calvino**

[10] Calvino's *Baron in the Trees* opens with the title character refusing to eat a dish of this food, prepared by his sister who also enjoys feeding the family things like "hares' ears set on a collar of fur."

ANSWER: **snails**

252-14-67-12213

14. This phenomenon occurs because as air begins to ascend a mountain, it gradually loses moisture in a dry-adiabatic process until saturation is reached. For 10 points each:

[10] Name these dry, hot winds that occur when air descends quickly over the leeside of a mountain. One example is the chinook.

ANSWER: **foehn** wind

[10] This is the generic name given to downslope winds that are not due to the effects of rain shadow, unlike the foehn. The Santa Ana is an example of a wind of this type.

ANSWER: **katabatic**

[10] The ascent of air up a mountain can be modeled using the adiabatic lapse rate. When the lapse rate decreases to this temperature, the air is supersaturated with water and cloud formation can occur.

ANSWER: **dew point** temperature

245-14-67-12214

15. This character is supported only by Frieda and Claudia MacTeer as she undergoes various abuse including a rape by her father Cholly. For 10 points each:

[10] Name this character who undergoes a miscarriage at the same time as the failure of the marigold seeds in Lorain, Ohio, and whose terrible life is contrasted with that of the characters in a Dick and Jane reader.

ANSWER: **Pecola** Breedlove [prompt on **Breedlove**]

[10] Pecola Breedlove is the protagonist of this Toni Morrison novel, and seeks to acquire the title physical feature throughout.

ANSWER: *The **Bluest Eye***

[10] This character in *The Bluest Eye* writes a letter to God explaining why he magically granted blue eyes to Pecola. This pedophilic ex-priest is named due to his weird hair and actually just cons Pecola into murdering a dog instead of changing her eye color.

ANSWER: **Soaphead** Church [or Micah Elihue **Whitcomb**; or **Micah**; or **Church**]

019-14-67-12215

16. This man was told to “Oh, play that thing!” in a poem written “For” him in *Whitsun Weddings*. For 10 points each:

[10] Name this jazz soprano saxophonist and clarinetist from New Orleans, the composer of *Petit Fleur*, and an early jazz pioneer.

ANSWER: Sidney **Bechet**

[10] Sidney Bechet is sometimes said to be a rival of this trumpeter who was also from New Orleans. This guy was nicknamed Satchmo and a voice occasionally described as gravelly.

ANSWER: Louis **Armstrong**

[10] This man, nicknamed the Hawk, was another early jazz saxophonist. This man guested on Max Roach's *We Insist!* and worked with Duke Ellington and Sonny Rollins on albums where they both “meet” this man.

ANSWER: Coleman **Hawkins**

250-14-67-12216

17. 90 degree rotations cannot be performed on these constructs, but clockwise or counterclockwise rotations where one group is held constant are legal. For 10 points each:

[10] Name these diagrams in which horizontal lines come out of the page while vertical lines go into it. They can be used to depict long polysaccharide chains.

ANSWER: **Fischer projections**

[10] By looking at a Fischer projection for an internal plane of symmetry, one can determine if the organic molecule in question is this type of isomer.

ANSWER: **meso compound**

[10] Give the formula for the maximum number of stereoisomers a compound with "n" different tetrahedral stereocentres with no plane of symmetry can have.

ANSWER: **2 to the power of n**

245-14-67-12217

18. A soldier in this story named Old-Blood-And-Thunder possesses some furniture once owned by George Washington. For 10 points each:

[10] Identify this Nathaniel Hawthorne short story which ends with a poet proclaiming that Ernest has fulfilled the prophecy of becoming "the greatest and noblest personage of his time" and now resembles the title edifice.

ANSWER: "The **Great Stone Face**"

[10] This other Hawthorne short story is set in Padua. Beatrice, title character of this story, declares “though my body be nourished with poison, my spirit is God’s creature and craves love as its daily food”.

ANSWER: **Rappaccini’s Daughter**

[10] In Hawthorne’s “My Kinsman, Major Molineux”, the title character suffers this fate. Huck Finn declares that “Human beings can be awful cruel to one another” after the Duke and Dauphin suffer this fate prior to being ridden on a rail.

ANSWER: getting **tarred** and **feathered** [accept word forms]

094-14-67-12218

19. This company exported a lot of tallow and controlled trade around Archangelsk. For 10 points each:  
[10] Name this company that was expelled from much of its namesake region after outrage following the beheading of Charles I.

ANSWER: **Muscovy** Company

ANSW This tsar booted the Muscovy Company from everywhere but Archangelsk. Patriarch Nikon caused the Raskol controversy during this man's reign and Stenka Razin's revolt was also during this man's time as tsar.

ANSWER: **Alexius I** [prompt on Alexius]

[10] Stenka Razin, a member of this ethnic group, led an uprising during Alexius's reign. Many of these people lived near the Don River, they were led by hetmen and they liked horses a lot.

ANSWER: **Cossacks** [accept **Don Cossacks**]

250-14-67-12219

20. One work in this series is set amidst a thick fog and was painted from Saint Thomas' Hospital, while in another the artist attempted to show the sun "setting in an enormous ball of fire behind" the title buildings. For 10 points each:

[10] Identify this series of works painted between 1900 and 1904 set amidst sunsets, stormy skies and other atmospheric conditions.

ANSWER: Claude Monet's Houses of **Parliament** Buildings series

[10] Monet affixed subtitles like "Symphony in Grey and Rose" to his paintings of this French cathedral.

ANSWER: **Rouen** Cathedral

[10] They're not haystacks, but one of Monet's first series was of some of these objects on Belle-Ile.

Courbet painted one at Hautepierre and Cezanne included many of them above Château Noir and next to some trees in a 1904 landscape.

ANSWER: **rocks** [or **stones** or **caves**]

094-14-67-12220

21. Identify the following about documentary filmmaker Alex Gibney, for 10 points each.

[10] Gibney's most recent documentary began as a project titled *The Road Back* but changed to focusing on the "Lie" of this man. The film contains footage of this man's teammates like Johan Bruyneel and George Hincapie.

ANSWER: Lance (Edward) **Armstrong**

[10] This institution was the subject of a Gibney documentary subtitled "The Smartest Guys in the Room". A whistleblower and one-time *Time* person of the year named Sherron Watkins once worked for this notorious energy company.

ANSWER: **Enron**

[10] This Gibney film won the 2007 Academy Award for Best Documentary Feature. It centers on the United States' use of torture, especially on an Afghan chauffeur named Dilawar.

ANSWER: **Taxi to the Dark Side**

094-14-67-12221