

1. The protagonist of this work throws several documents off a cliff in the town of Shamlegh. The hero's father was a member of a military unit called the Mavericks. Early in this work, the protagonist travels with a man searching for the River of the Arrow, while a jeweler named Lurgan Sahib trains the protagonist in espionage. The hero of this work correctly gives a fake "prophecy" after he overhears that some eight thousand soldiers will soon be dispatched; he gained that information by transmitting a message to the British from a horse trader named Mahbub Ali. Characters in this work include a Lama from Tibet. Set during the Great Game between England and Russia, for 10 points, name this Rudyard Kipling novel.

ANSWER: Kim

094-11-30-17102

2. In one isothermal version of this technique for protein ligand studies in a calorimeter, a binding polynomial is used to analyze the data. Before fluorescence-activated cell sorting, a version of this technique using serial dilution is performed using the antibody of interest. This technique produces a curve with inflection points for each dissociation equilibrium, which is why polyprotic samples have multiple bumps on said curve. Samples are placed in burets for this procedure, and an indicator like phenolphthalein is used to determine when the equivalence point has been reached. For 10 points, name this chemical procedure which is used to find the concentration of an acid or base in a sample.

ANSWER: titration

048-11-30-17103

3. This artist designed a giant ice-skating rink called *Ecliptic* for Rosa Parks Circle, and approached a similar theme in a giant piece of frosted glass in Penn Station called *Eclipsed Time*. For Ann Arbor, Michigan, this artist designed a series of grassy knolls that form a hilly structure for a work titled *The Wave Field*. Frieda Lee Mock directed a movie about this artist called *A Strong Clear Vision*. An addendum by Glenna Goodacre and Frederick Hart's *Three Soldiers* statue were added to this artist's most notable work, which was in part made with two large pieces of gabbro rock. That work is inscribed with all the casualties of a certain war. For 10 points, name this Chinese-American artist behind the Vietnam Memorial.

ANSWER: Maya Lin

033-11-30-17104

4. One social group originating in this country's culture is the *burrnesha*, or "sworn virgins," women who live their entire lives as men. Its Malesia e Madhe district is a center of the *gjakmarrja*, a blood feud that exacts honor under the code of *Kanun*. The Shkodra area is another center of ritualized violence in this country, whose economy collapsed in 1997 as the result of a pyramid scheme. Its largest port was renamed Durazzo during a World War II occupation by Italy. For 10 points, name this eastern Balkan state, which is found on the western borders of Macedonia and Greece.

ANSWER: Republic of Albania [or Republika e Shqipërisë]

019-11-30-17105

5. John Milton's *Areopagitica* claims that this author is a better teacher than Duns Scotus or Aquinas. This author imitated Virgil's *Eclogues* in a series of pastoral poems about Colin Clout. He celebrated the marriage of the daughters of the Earl of Worcester by writing a poem that repeats the line "Sweet Thames, run softly, till I end my song," this author's "Prothalamion." He represented the Catholic Church as Duessa, the evil antagonist of Una, in an epic poem about the court of Gloriana. For 10 points, name this Elizabethan poet of *The Shepherd's Calendar* and *The Faerie Queene*.

ANSWER: Edmund Spenser

004-11-30-17106

6. A flag with a star cut out of the middle became a symbol of one side in this conflict. Though initially peaceful, violence broke out after the AVH shot a crowd of protesters outside a radio station. After it was put down, political leaders associated with it took refuge in the Yugoslavian Embassy and the two countries involved played a contentious water polo match at the Summer Olympics. Andras Hegedus was replaced by Imre Nagy, who promised to establish a multi-party system and declare neutrality. Its aftermath saw Janos Kadar appointed to the position of Prime Minister. For 10 points, name this rebellion which was put down when Soviet tanks entered a Central European state in 1956.

ANSWER: **Hungarian** Revolution [or equivalent such as Soviet invasion of **Hungary**, etc]

100-11-30-17107

7. This artist painted two round impressions in the wall behind him in *Self Portrait with Two Circles*. He painted Jesus, the twelve disciples, and one other man having their small boat rocked by a large wave in his *The Storm on the Sea of Galilee*. He painted a philosopher with his hand resting on a statue in *Aristotle Contemplating the Bust of Homer*. The title character of another of his paintings holds up the skinless arm of a corpse. This artist painted a drummer and a girl holding a chicken in his depiction of Frans Banning Cocq's militia. For 10 points, name this Dutch painter of *The Anatomy Lesson* and *Night Watch*.

ANSWER: **Rembrandt** Harmenszoon van Rijn

015-11-30-17108

8. This country declared independence at the Congress of Tucuman, which followed the May Revolution and the establishment of a Primera Junta ruling in the name of Ferdinand VII. One ruler of it received the sum of public powers, thereby destroying the separation of powers. That man lost power after the Battle of Caseros and also fought an Anglo-French blockade. The slogan "Shoes? Yes! Books? No!" exemplified one modern day ruler of this country's dislike of universities. That dictator also had supporters known as the descamisados, or shirtless ones. For 10 points, name this South American country ruled by Juan Manuel de Rosas and Juan Peron.

ANSWER: **Argentina** [or **Argentine** Republic; or Republica **Argentina**]

107-11-30-17109

9. This man based one of his arguments on the premise that a horse is better than wood and wood is better than a horse. He committed one of his works to parchment after the wax tablets they were written on were repeatedly destroyed. This man's motto was "faith seeking understanding," and the monk Gaunilo in the treatise "Reply on Behalf of the Fool" attacked one of this man's tenets with the Lost Island argument. His most famous argument attempted to define "that which nothing greater than can be conceived." He used this argument, which was advanced in the *Monologion* and *Proslogion*, in an attempt to prove the existence of God. For 10 points, name this Archbishop of Canterbury famed for his ontological argument.

ANSWER: Saint **Anselm** of Canterbury

015-11-30-17110

10. One particular complication of this disease results from parvovirus B19 infection of bone marrow, which causes aplasia, and patients with this disease often have osteomyelitis caused by Salmonella. Patients with this disease have an increased risk of overwhelming sepsis from encapsulated organisms because they often auto-splenectomize, and this disease is diagnosed by gel electrophoresis of the affected protein. Acute chest crises and vaso-occlusive crises are painful manifestations of this disease, which is caused by a glutamic acid to valine mutation in the beta chain of a certain protein. It is believed to confer a heterozygote advantage against malaria. For 10 points, name this disease common in African Americans which causes red blood cells to assume a crescent-like shape.

ANSWER: **sickle-cell** anemia

048-11-30-17111

11. One character in this story has eyes "like two small pieces of coal pressed into a lump of dough" because "what would have been merely plumpness in another was obesity in her." The Board of Aldermen's attempts to make one character pay taxes fail when she repeatedly refuses, claiming she received a lifetime exemption from the previous mayor. Men sneak onto the title character's property at midnight to sprinkle lime around the cellar to destroy a mysterious smell several days after she purchased a large amount of arsenic. For 10 points, name this story ending when a strand of Miss Grierson's hair is found next to the corpse of Homer Barron, written by William Faulkner.

ANSWER: "A **Rose for Emily**"

105-11-30-17112

12. This writer described how at age eleven he was deeply influenced by seeing the murder of Kader Mia, a Muslim day laborer, in his book *Identity and Violence*. This thinker wrote that "Adam Smith's market never stood alone" in trying to redirect consideration from Smith's *Wealth of Nations* to his *Theory of Moral Sentiments*. This economist has also tried to promote the idea that simple income inequality is less of a problem than capability deprivation. Works by this economist include *Development as Freedom* and *Poverty and Famines*. For 10 points, name this Indian economist who won the 1998 Nobel Prize for his work on social choice theory and welfare economics.

ANSWER: Amartya **Sen**

023-11-30-17113

13. In the last movement of the first of these works, an alphorn dramatically enters playing a rhythm similar to the "Fate" theme of Beethoven's Fifth. The last of these works concludes with a passacaglia on a theme from Bach's cantata "*Nach dir, Herr, Verlanget Mich*." The third of these works, in F Major, is underpinned by a motif of F, A-flat, F, which represents the motto "Free but Happy," its composer's answer to the motto of his friend Joseph Joachim. Hans von Bulow referred to the first of these four works as "Beethoven's Tenth." The third of them was composed in 1883, three years after their composer wrote the *Tragic Overture*. For 10 points, name these large orchestral works written by the composer of *A German Requiem* and the *Academic Festival Overture*.

ANSWER: **Symphonies** by Johannes **Brahms**

080-11-30-17114

14. Through his daughter, who was forcibly married to Rhacius, this man became the grandfather of the champion diviner Mopsus. He was also the father of the woman who allowed Alcmena to give birth to Heracles by scaring away certain witches; that daughter was named Historis. This man lived for at least seven generations, and after his death from drinking the waters of Telpussa, he advised against harming the cattle of Helios. After killing a snake, he was transformed into a woman for seven years, and he later was punished for saying women enjoy sex more by being blinded. For 10 points, name this prophet of Thebes, who revealed Oedipus as the murderer of Laius.

ANSWER: **Tiresias**

019-11-30-17115

15. This decision was extended in *Cumming v. Richmond* and *Berea College v. Kentucky*. A plaque on Press Street commemorates this decision, which was brought about by the action of a PBS Pinchback-led citizens committee. David Brewer was absent during this case due to the death of his daughter. The sole dissenter in this case believed the law in question amounted to a "badge of servitude;" that dissenter was John Marshall Harlan. Albion Tourgee represented this case's plaintiff, who violated Act 111 by boarding a train car designated whites-only. For 10 points, name this case overturned by *Brown vs. Board of Education* that established the doctrine of "separate but equal."

ANSWER: **Plessy v. Ferguson**

048-11-30-17116

16. One article of this treaty transferred control of Ruanda-Urundi to Belgium and divided Togoland between France and the United Kingdom. The provision of this treaty that gave territory in the Shandong Peninsula to Japan sparked the Chinese nationalist movement called the May Fourth Movement. The negotiation of this treaty was walked out on by Vittorio Orlando, and its "economic consequences" were examined by John Maynard Keynes. This treaty established the League of Nations. For 10 points, the Paris Peace Conference produced what treaty that ended World War I?

ANSWER: Treaty of **Versailles**

015-11-30-17117

17. Andrew Ainslie Common's photographs of this region of the galaxy showed that film could record astronomical features unseen by the eye. Its is a part of the same system as the Kleinmann-Low Nebula. The Fish's Mouth is a dark region of this place. The infrared emitting Becklin-Neugebauer Object is located behind this nebula. Some of the first HST images of protoplanetary disks came from this nebula. This nebula is home to the Trapezium cluster. It is item M42 in the Messier Catalog and is one of the closest locations of recent star formation. For 10 points, name this nebula that in its namesake constellation is located below the belt.

ANSWER: Great **Orion** Nebula [accept the **Orion Molecular Cloud** before M42]

001-11-30-17118

18. This poet repeats the refrain "Let the moment come when hearts love as one" in the poem "The Song of the Highest Tower." Another poem begins with a section where the speaker claims "One night, I sat Beauty down on my lap--and I thought her bitter." This poet claimed "I have bathed in the poem of the sea, star-infused and churned into milk" in a poem narrated by a boat. His best-known poem includes a section subtitled "The Foolish Virgin" while the speaker claims "I invented color for the vowels" in a section about the "alchemy of the word." This poet included "Childhood" and "After the Deluge" in his collection *Illuminations* and featured two parts titled "Delirium" in another poem. For 10 points, name this French poet of *A Season in Hell* who was shot by Paul Verlaine.

ANSWER: Arthur **Rimbaud**

088-11-30-17119

19. Karpa and Weitz used a version of this experiment to show that dark polaritons in an electromagnetically-induced transparent medium have non-zero magnetic moment. Another version of this experiment was used to show that state transitions could be induced by time-varying RF fields, an effect used in MRI machines. Phipps and Taylor showed that its results could be extended to hydrogen atoms, and the particles undergoing this experiment had principal quantum number 1 and angular momentum quantum number 1. A sulfur-containing cigar was used to visualize the two spots on the detector in this experiment, which fired a beam of silver atoms through an inhomogenous magnetic field. For ten points, name this experiment which showed that electrons have spin, conducted by two German scientists.

ANSWER: **Stern-Gerlach** experiment

048-11-30-17120

20. This man won a duel against Duke Orilus, who was angry at him because he had taken a token from Jeschute. This man married the niece of his tutor Gornemant, Blanche fleur. The first time this man saw knights he believed they were angels because he had been raised in the forest. This man failed to ask a question about a procession that would have healed the wounded Fisher King. This man is the subject of an epic by Wolfram von Eschenbach. For 10 points, name this Arthurian knight who, along with Sir Galahad, obtained the Holy Grail.

ANSWER: Sir **Percival** [or **Parzival**]

105-11-30-17121

21. This author wrote of “an inchling” who “bristles in these pines” and “fears not portly Azcan or his hoos” in his poem about Chieftain Iffucan. Another poem opens by claiming the “houses are haunted by white night-gowns.” This author of “Bantams in Pine-woods” and “Disillusionment of Ten O’Clock” wrote a poem about a being who “sang beyond the genius of the sea.” Another poem describes a man who “rode over Connecticut in a glass coach” and opens by describing “twenty snowy mountains.” His most anthologized poem notes “Let be be finale of seem” and calls for “the roller of big cigars.” For 10 points, name this American poet of “The Idea of Order at Key West,” “Thirteen Ways of Looking at a Blackbird,” and “The Emperor of Ice Cream.”

ANSWER: Wallace **Stevens**

015-11-30-17122

22. One of these organisms was the basis of the rII system used by Benzer for single nucleotide mapping, and the cosmid uses elements derived from one of these organisms. The first stretch of DNA ever sequenced by Frederick Sanger was from one type of this organism, dubbed phi X, and the Luria-Delbruck experiment used them to show that mutations are spontaneous. Another experiment using them labeled their DNA with phosphorus-32 and their proteins with sulfur-35 in order to show that nucleic acids are the material of heredity; that experiment was performed by Hershey and Chase using the T4 type. For 10 points, name these viruses which infect bacteria.

ANSWER: bacteri**ophage** [prompt on **viruses**]

048-11-30-17123

23. These people endured the so-called “Rule of the Dukes” after one of their kings was assassinated in a coup plotted by his wife, Rosamund. These people were based out of Ticinum and the seminal history of these people was written by Paul the Deacon. One king of these people, Rothari, established a namesake code of laws. The final king of these people was Desiderius, whose daughter Desiderata married the man who eventually conquered this group. Under Alboin, these people established a kingdom in the south, but were eventually conquered by Charlemagne, who took the title “King of” this people. For 10 points, name these Germanic people who ruled a namesake kingdom in Italy, whose name lives on in a modern-day region that is the home of Pavia and Milan.

ANSWER: **Lombards** [accept **Langobardi**, **Langobards**, or **Longobards**]

052-11-30-17124

1. After the death of his father, this character is told to visit his uncle Ebenezer, whom he quickly discovers is evil. For 10 points each:

[10] Identify this character who ends up being forced on board the *Covenant* where he meets people like Mr. Shuan and Mr. Riach.

ANSWER: **David Balfour** [accept either underlined answer]

[10] David Balfour is the protagonist of *Kidnapped*, a book by this author of *Treasure Island*.

ANSWER: Robert Louis Balfour **Stevenson**

[10] Stevenson also wrote some books of this type of story. Stories of this type were also collected by Jean de la Fontaine.

ANSWER: **fables**

094-11-30-17201

2. This figure is compared to a ballet dancer who keeps a particular posture through a jump into the air. For 10 points each:

[10] Name this conceptual figure who is impossible to distinguish based on appearance, but who has an absolute belief in God.

ANSWER: **knight of faith**

[10] This philosopher, under the name Johannes de Silentio, created the concepts of the knight of faith and the knight of infinite resignation.

ANSWER: Soren Aabye **Kierkegaard**

[10] Kierkegaard described those knights in this work that describes the willingness of Abraham to sacrifice Isaac in the Bible.

ANSWER: **Fear and Trembling** [or **Frygt og Baeven**]

023-11-30-17202

3. Name these 20th century Russian poets. For 10 points each:

[10] This man wrote the poetry collections *Early Trains* and *The Second Birth*, but is better known for writing about Yuri's love for Lara in *Doctor Zhivago*.

ANSWER: Boris **Pasternak**

[10] This poet claims "as we get older we get honest" in his poem "Zima Junction" and he discusses why there is "no monument" to commemorate the title Jewish massacre in his poem "Babi Yar."

ANSWER: Yevgeny **Yevtushenko**

[10] This émigré served as US Poet Laureate and asks, "What is space anyway if not the body's absence at every given point?" in his poem "To Urania." He also wrote "Elegy for John Donne" and the collection *A Part of Speech*.

ANSWER: Joseph **Brodsky**

109-11-30-17203

4. He painted George Washington holding a hatchet in *Parson Weems' Fable*. For 10 points each:
[10] Name this American regionalist who painted a farmer holding a pitchfork in *American Gothic*.

ANSWER: Grant **Wood**

[10] This other regionalist painted either a bear cub or a cat sitting on the end of a boat in *Fur Traders Descending the Missouri*.

ANSWER: George Caleb **Bingham**

[10] This Kansas artist painted a tornado over his home state and depicted John Brown as Moses in a mural for the Kansas Statehouse.

ANSWER: John Stuart **Curry**

015-11-30-17204

5. After failing to remove Krushchev as First Secretary, this man was given the job of ambassador to Mongolia. For 10 points each:

[10] Name this Soviet foreign secretary during World War II, the namesake of an explosive cocktail.

ANSWER: Vyacheslav **Molotov**

[10] Molotov proposed a nonaggression pact with Germany with this Nazi foreign minister who was hanged for war crimes after the war.

ANSWER: Joachim von **Ribbentrop**

[10] Molotov survived the 1934 purge triggered by the death of this head of the party operations in Leningrad. Although Stalin probably had him killed, his death was used as a rationale for the purges that followed.

ANSWER: Sergey **Kirov**

015-11-30-17205

6. This effect is proportional to the fourth power of the light's frequency. For 10 points each:

[10] Name this form of scattering which is popularly used to explain why the sky is blue.

ANSWER: **Rayleigh** scattering

[10] Rayleigh scattering is also similar to this effect seen in colloids and named for a Scottish physicist.

ANSWER: **Tyndall** effect

[10] Rayleigh scattering is used to describe situations in which particles are much smaller than the wavelength of incident light. This other type of scattering occurs when the particles are of similar or larger size.

ANSWER: **Mie** scattering

064-11-30-17206

7. He was inspired by the Roman Vitruvius to publish his systematic survey *The Four Books of Architecture*. For 10 points each:

[10] Name this architect known for his many Italian villas, including the Villa Rotunda.

ANSWER: Andrea **Palladio**

[10] One disciple of Palladio was this American politician, who was influenced by Italian villas in designing his house at Monticello and the Rotunda of the University of Virginia.

ANSWER: Thomas **Jefferson**

[10] This villa in the town of Maser in northern Italy is known for its façade resembling a Roman temple and its interior frescos by Paolo Veronese. Palladio was later commissioned to add a tempietto on its grounds.

ANSWER: Villa **Barbaro**

015-11-30-17207

8. Answer the following questions about Langston Hughes' poetry, for 10 points each.

[10] In "The Negro Speaks of Rivers" the speaker claims he bathed in this river "when dawns were young."

ANSWER: **Euphrates**

[10] Hughes wrote about a man who was "droning a drowsy syncopated tune" in this poem set on "Lenox Avenue the other night."

ANSWER: "The **Weary Blues**"

[10] The narrator of this Hughes poem claims "I am the darker brothers" and anticipates the time when "they'll see how beautiful I am and be ashamed."

ANSWER: "**I, Too**, Sing America"

015-11-30-17208

9. One of the symptoms of Sjogren's syndrome is an attack on these glands. For 10 points each:

[10] Name these glands responsible for tear production.

ANSWER: **lacrimal** glands

[10] Sjogren's syndrome is in the same category of diseases as this anti-CCP-antibody-associated condition, which also causes dry eyes. More notably, it causes swan-neck and boutonniere deformities in the hands and is treated with Humira.

ANSWER: **rheumatoid arthritis**

[10] The sympathetic nervous system on the other hands regulates these glands which produce epinephrine and norepinephrine.

ANSWER: **adrenal** glands

064-11-30-17209

10. Vasily Shisky's forces assassinated the first one of these men in 1603. For 10 points each:

[10] Name these figures who marched from the Polish-Lithuanian Commonwealth into Moscow, where their Cossack supporters installed them as tsars.

ANSWER: **False Dmitris**

[10] The False Dmitris exacerbated this era of Russian history that saw the rule of Boris Gudonov before Michael Romanov took the throne in 1613.

ANSWER: **Time of Troubles**

[10] Under this king and cousin of Gustavus Adolphus, the Polish-Lithuanian Commonwealth occupied Russia during the Time of Troubles after their victory at Klushino.

ANSWER: **Sigismund III** Vasa

079-11-30-17210

11. This poet described the "small gift" of being able "to see ourselves as others see us!" For 10 points each:

[10] Name this poet who described seeing an insect on a lady's bonnet at church and penned the lyrics "A Man's a Man for A' That" and "My Love Is Like a Red, Red Rose."

ANSWER: Robert **Burns**

[10] Burns wrote about a "wee, sleekit, cow'rin, tim'rous beastie" in this poem, which notes that certain "best-laid schemes ... gang aft agley."

ANSWER: "**To a Mouse**"

[10] Kirkton Jean tells the title character of this poem that he will drown in a river. After drinking, he witnesses a vision involved dancing witches and warlocks.

ANSWER: "**Tam o' Shanter**"

020-11-30-17211

12. This man was deposed in a military coup led by Deodore da Fonseca. For 10 points each:

[10] Name this last Emperor of Brazil.

ANSWER: **Pedro II** of Brazil

[10] Pedro II's greatest legacy may be his passage of this law, which abolished slavery in Brazil.

ANSWER: **Golden** Law [or Lei **Aurea**]

[10] This right hand man of Pedro II led the army that toppled Juan Manuel de Roasas and defeated the Paraguayans in the War of the Triple Alliance.

ANSWER: Luiz Alves de Lima e Silva, Duke of **Caxias**

015-11-30-17212

13. This deity's red aspect was associated with the East, and he took his axe to a mountain in order to provide corn for humans. For 10 points each:

[10] Identify this Mesoamerican deity who used his lightning axe to strike rain-containing snakes in order to cause precipitation. He's similar to Tlaloc from another myth system.

ANSWER: **Chaac** [or **Chac** or **Chaahk**]

[10] Chaac is a deity from the mythology of these people, whose underworld, Xibalba, was visited by the Hero Twins.

ANSWER: **Maya** People [or the **Mayans**]

[10] This Hero Twin defeated Seven Macaw with his brother Xbalanque.

ANSWER: **Hunahpu**

094-11-30-17213

14. These are turned into alcohols by oxymercuration. For 10 points each:

[10] Name these hydrocarbons with carbon-carbon double bonds.

ANSWER: **alkenes** [or **olefins**]

[10] Alkenes can be polymerized by these catalysts named for two scientists. The first of these to be made was based off titanium chloride.

ANSWER: **Ziegler-Natta** catalyst

[10] Ziegler-Natta catalysts are useful because they can make polypropylene with this property. It means all the methyls in the polypropylene are on the same side.

ANSWER: **isotactic**

001-11-30-17214

15. This man kills the Trojan spy Dolon after he gives this man and Odysseus the whereabouts of the Thracian king Rhesus. For 10 points each:

[10] Name this warrior from *The Iliad* who almost kills Aeneas before divine intervention saves him, and who also wounds Aphrodite and almost fights Apollo. He shares his name with a person whose flesh-eating mares were captured by Heracles.

ANSWER: **Diomedes**

[10] Diomedes is the son of this member of the Seven Against Thebes, who loses his promised immortality after cannibalizing the brains of Melanippus.

ANSWER: **Tydeus**

[10] With Odysseus, Diomedes manages to steal this statue from Troy to ensure the city's destruction. In one version of the myth, Odysseus attempts to kill Diomedes and take this statue himself.

ANSWER: the **Palladium** [or **Palladion**]

023-11-30-17215

16. One sign of these is a velocity enhancement signature. For 10 points each:

[10] Name these destructive rotating columns of air measured on the Fujita-Pearson scale.

ANSWER: **tornados**

[10] Tornados are often spawned by this type of convective storm which has a large quasi-steady rotating updraft. The several kilometer in radius area of rotation in them is called a mesocyclone.

ANSWER: **supercell**

[10] This 1925 tornado that traveled over 219 miles is widely considered to be the deadliest in U.S. history.

ANSWER: The Great 1925 **Tri-State** Tornado

066-11-30-17216

17. He composed his revolutionary *April Theses* on a sealed train from Germany to his homeland. For 10 points each:

[10] Name this man who led the October Revolution.

ANSWER: Vladimir Ilyich **Lenin**

[10] After the devastating famines caused by War Communism, Lenin replaced it with this more lenient system which allowed some private ownership.

ANSWER: **New Economic Policy** [or **NEP**; or **Novaya Ekonomicheskaya Politika**]

[10] Stepan Petrichenko led this 1921 revolt at a Gulf of Finland port town and which clearly demonstrated the need for economic reform.

ANSWER: **Kronstadt** Rebellion

015-11-30-17217

18. The Swift space telescope is designed to study massive bursts of this type of radiation. For 10 points each:

[10] Name this part of the electromagnetic spectrum that is higher in frequency than x-rays.

ANSWER: **gamma** radiation [or **gamma** rays]

[10] One proposed source for short gamma ray bursts is the merger of two of these bodies. Magnetars are one type of these objects.

ANSWER: **neutron stars**

[10] Simulations show that most of the energy from a merger of two neutron stars is carried away in this form. Its existence was predicted by general relativity, and LIGO is a project for finding this phenomenon.

ANSWER: **gravitational radiation** [or **gravity waves**]

001-11-30-17218

19. She wrote about the sisters Martine and Philippa in her story "Babette's Feast." For 10 points each:

[10] Name this author who lived for a time in British East Africa.

ANSWER: Karen **Blixen** [or Isak **Dinesen**]

[10] Blixen wrote about her interactions with the Kikuyu and running her farm in this memoir.

ANSWER: **Out of Africa**

[10] The servant Kasparson adopts the persona of a cardinal after killing him in "The Deluge at Norderney," one of this stories in this Blixen collection.

ANSWER: **Seven Gothic Tales**

015-11-30-17219

20. This symphony was originally composed as a tone poem for a Jean Paul novel, and its third movement consists of a funeral march based on "Frère Jacques." For 10 points each:

[10] Name this first symphony of a German composer.

ANSWER: **Titan** Symphony [or **Mahler's First**]

[10] This composer of "Songs on the Death of Children" and the *Symphony of a Thousand* wrote the *Titan Symphony*.

ANSWER: Gustav **Mahler**

[10] Mahler included a "purgatorio" section in this unfinished symphony which was composed as he was treated by Freud and learning of his wife Alma's affair with Walter Gropius.

ANSWER: Symphony No. **10**

015-11-30-17220

21. For 10 points each, name some things related to the Cherokee people.

[10] The Cherokee were involved in this forced migration of Indian tribes from the Southeast to Oklahoma that took place during the 1830s and saw many deaths due to malnourishment and harsh conditions.

ANSWER: **Trail of Tears**

[10] John Ross argued against the ratification of this 1835 Treaty signed by the U.S. Government that provided the legal basis for the forced migration of the Cherokee.

ANSWER: Treaty of **New Echota**

[10] This developer of the Cherokee alphabet, which was used in the publication of the *Cherokee Phoenix*, was a silversmith who initially taught his creation to his daughter Ayoka.

ANSWER: **Seqouyah**

040-11-30-17221