

**JAMES ROUND #9
TOSSUPS**

1. **This man died when Lycomedes pushed him off a cliff. Though he is not Paris, he abducted Helen with the help of his friend Pirithous, who was stuck with him to the Seat of Oblivion in the underworld until Heracles rescued this figure by ripping his thighs off a chair. This man pushed (*) Sciron into a chasm with a turtle. This figure used a pine tree to kill Sinis, and he killed a man who fit people to beds, the bandit Procrustes. This man's father Aegeus killed himself after this man failed to lower black sails after performing his most famous action with the help of Ariadne. For 10 points, name this Athenian king who killed the Minotaur.**

ANSWER: Theseus

2. **Though one section of this work was originally written in 11/4 ["eleven-four"] time, that section is often split into 5/4 and 6/4. A B-flat minor section of this composition depicts two Jews, and another part is based off a ballet of canary chicks hatching. The bells of a clock accompany the chase of (*) Baba-Yaga in this work's section *The Hut on Fowl Legs*, and several Promenades serve as transitions between sections in this work. Maurice Ravel arranged this composition, and its final movement is often translated as *The Great Gate of Kiev*. An exhibition of art created by Victor Hartmann inspired, for 10 points, what piano suite composed by Modest Mussorgsky?**

ANSWER: Pictures at an Exhibition [accept Pictures of an Exhibition; accept Pictures from an Exhibition]

3. **The derivative of the natural log of this quantity with respect to time is equal to the enthalpy change over R times T squared, according to the Van't Hoff equation. A constant calculated in the same method as this one is Q, the reaction quotient, and (*) pure and inert substances do not affect its calculation. This constant has forms named for the solubility product and acid dissociation, and it can be calculated using the concentrations of the reactants and products. The state at which the rates of the forward and backwards reactions are equal is represented by, for 10 points, what constant symbolized capital K?**

ANSWER: equilibrium constant (or K, Keq, Ksp, Kc, Kp, Ka, or Kb before K is read)

4. **This character meets Lord Munodi, who is criticized despite his successful agricultural techniques and tells this character to visit an academy where things like how to extract sunbeams from cucumbers are studied. A tale is told to this man about the war between the Little and Big (*) Endians on the proper way to crack an egg. This man meets a race of intelligent horses called the Houyhnhms ["WHO"-ih-NYMS] who consider the human-like Yahoos barbarous. In this man's first adventure, he finds himself a giant among the six inch tall Lilliputians. For 10 points, name this creation of Jonathan Swift who goes on some travels.**

ANSWER: Lemuel Gulliver [accept both or either]

5. **An inscription claiming this event was caused by "the sin of Gluttony" adorns a statue of a Golden Boy, while a 200 foot tall column is another monument to this event. Exacerbated by the inaction of Thomas Bloodworth, this event began at an establishment owned by Thomas Farriner. Described in the diary of Samuel (*) ["peeps"] Pepys, this event nearly destroyed Whitehall. After this event, St. Paul's Cathedral was rebuilt by Christopher Wren. A baker's residence on Pudding Lane was the starting point for this natural disaster. For 10 points, what 1666 event laid waste to London during the reign of Charles II?**

ANSWER: Great Fire of London [prompt on "Great Fire" before London is read; accept Great Fire after "London" is read; accept Great Fire of 1666]

6. **This author wrote a novel about a man's addiction to roulette and another one in which the suicidal Kirilov is willing to take the blame for the murder of Shatov. Along with writing *The Gambler* and *Demons*, this author described how Nastassya and Aglaya must be chosen between by the (*) epileptic Prince Myshkin. This author created the illegitimate Smyerdakov and the faithful Alyosha in a novel in which Dmitri is arrested for patricide. In another novel by this author, Sonya urges a character to confess to killing a pawnbroker. For 10 points, name this Russian author of *The Idiot*, *The Brothers Karamazov*, and a novel about Raskolnikov, *Crime and Punishment*.**

ANSWER: Fyodor Dostoyevsky

7. **In old age this philosopher reviewed his writings and pointed out what he no longer agreed with in a work titled *Reconsiderations*. In one work, he describes the superiority of the soul over the body. This author of *The Measure of the Soul* wrote that Christianity had not led to the fall of (*) Rome in another work. This philosopher**

relates how his sinful friends lead him to steal some pears in a work in which he also converts from Manichaeism to the Christianity of his mother Monica. *City of God* is a work by, for 10 points, what early Christian philosopher and theologian who wrote *Confessions*, a saint from Hippo?

ANSWER: Saint Augustine of Hippo

8. One person in this event named "The Sarge" performed his duties with military like efficiency. The BBC reproduced this event with Alex Haslam and Steve Reicher on the documentary *The Experiment*. This experiment's conductor discussed it in his book *The Lucifer Effect* and explained it in relevance to Abu Ghraib. (*) Christina Maslach objected to this experiment, causing it to end after only six days, and number 8612 began to "go crazy" during this experiment and had to be released. Half of the participants were made guards and ended up abusing the inmates in, for 10 points, what experiment conducted by Philip Zimbardo at a California university?

ANSWER: Stanford prison experiment

9. This entity came into existence in response to the Treaty of Nonsuch, which aimed to help lift the Siege of Antwerp. The Duke of Medina Sidonia helped lead this entity. Key defeats of this entity occurred at the Bay of Cadiz, which became known as "singeing the king's beard," and at Gravelines. One figure gave a speech concerning this entity at (*) Tilbury admitting to it having "the body of a weak, feeble woman." The defeat of this force was attributed to a Protestant Wind, but was probably aided by victories by Francis Drake and Lord Howard. For 10 points, name this naval fleet that unsuccessfully tried to invade England in 1588.

ANSWER: Spanish Armada

10. In fertilization, the release of this ion following the fusion of the gamete membranes triggers the cortical reaction, which blocks against polyspermy. Along with cyclic AMP, this ion is a common secondary messenger in cells. Inositol triphosphate, or IP3, causes the release of this ion from the smooth ER, and the release of (*) parathyroid hormone activates vitamin D, which triggers the reuptake of this ion in the intestines. The release of this ion triggers muscle contraction, and a deficiency of it can lead to osteoporosis. For 10 points, name this essential mineral that is stored in bones and teeth, symbolized Ca²⁺.

ANSWER: calcium (accept Ca+2 before end of question)

11. One character in this movie relates his fantasy of casually seeing his employer at a cafe. This movie opens with a plane latching onto another plane in order to kidnap a nuclear scientist who helps alter a nuclear generator built at the suggestion of Miranda Tate. A daughter of a mercenary in this movie climbs out of the (*) Pit where the protagonist is incarcerated after the protagonist's back is broken by a villain whose voice is obscured by a mask. Allies of the protagonist of this movie include a detective who succeeds him and a cat burglar. John Blake, Bane, and Catwoman appear in, for 10 points, what third Batman movie directed by Christopher Nolan?

ANSWER: Dark Knight Rises

12. This man painted a satyr hanging from a tree with his panpipes, while in another of his works, cherubs sit atop a black cloud while Saint Peter sits below next to the Virgin Mary. This artist of *The Flaying of Marsyas* and *The Pesaro Madonna* painted (*) cheetahs drawing Bacchus's chariot as he leaps out to protect Ariadne. This artist painted Cupid reaching into a sarcophagus while a bride in white sits opposite Venus in his *Sacred and Profane Love*. His most famous work shows a dog sleeping on a white sheet beside the title goddess. For 10 points, what Renaissance artist depicted Venus lying on her side in *Venus of Urbino*?

ANSWER: Titian [accept Tiziano Vecellio]

13. This man opened one of his works with the line "And death shall have no dominion." This poet wrote a radio play set in Llaeggub titled *Under Milk Wood*. Another of this man's poems ends "Though I sang in my chains like the sea" and opens "Now as I was young and easy under the apple boughs." This author of (*) "Fern Hill" wrote of "wild men who caught and sang the sun in flight" and tells "Old age should burn and rave at close of day" in a villanelle written for his dying father. For 10 points, name this poet who told his father to "rage, rage against the dying of the light" in "Do not go gentle into that good night."

ANSWER: Dylan Thomas

14. These devices are used with resistors in high-pass filters, because unlike a complementary device, they do not allow persistent DC current. Their namesake quantity is usually proportional to the permittivity, and

although it decreases in series, it is added when they are placed in parallel. These devices possess a breakdown voltage which can be increased by strengthening the (*) dielectric. The namesake property of these devices is equal to the charge over the voltage and is measured in farads. An early example of these devices was the Leyden jar, while a common version consists of two parallel plates. For 10 points, name these devices which store charge.

ANSWER: capacitor

15. In special relativity, this equation is modified by multiplying by gamma or gamma cubed, depending on whether two vectors are perpendicular or parallel. Adding a term including the change in mass with respect to time, or the thrust, to this law produces the rocket equation. A (*) free body diagram can be used to examine all the components involved in this law. The rotational analogue of this law equates the torque to the product of the moment of inertia and the angular acceleration. Its original form equates the time derivative of momentum to force, but one side is most often given in terms of acceleration. For 10 points, name this law of motion which states F equals m times a .

ANSWER: Newton's Second Law (prompt on "Newton's laws" of motion)

16. One official in this dynasty may have risen to power after the emperor believed that official was the reincarnation of a concubine. That incredibly corrupt official was Heshen and rose to power during the reign of the Qianlong emperor. A ponytail called the queue was made compulsory during this dynasty that saw the Hundred Days' Reform suppressed. When a rebellion during this dynasty threatened the (*) Legation Quarter, an Eight Nation Alliance put it down. This dynasty's last emperor Puyi was installed by the Empress Dowager Cixi. Wars over a namesake drug erupted during this dynasty. The Opium Wars broke out during, for 10 points, what Manchu last dynasty of China?

ANSWER: Qing dynasty [pronounced "Ching"; do not accept Qin, which is pronounced "Chin," and ask players to spell if necessary]

17. This body of water is bounded to the northwest by Marin County. The Dumbarton Bridge spans this body of water which contains Yerba Buena Island and the artificial Treasure Island. The *Cosco Busan* collided with one of the more famous bridges spanning this body of water in 2007, causing a small oil spill. That bridge's eastern span partially collapsed in the (*) Loma Prieta Earthquake. The O. Co Coliseum lies on its shore near Alameda Island, a large island in the eastern portion of this bay, while Alcatraz and Angel Islands lie in the western portion. For 10 points, name this northern California bay spanned by the Golden Gate Bridge.

ANSWER: San Francisco Bay ("Bay" not needed after it's read)

18. This architect placed a loggia in a building he designed for a Unitarian Universalist community in Oak Park, Illinois. This architect of the Unity Temple included a carport in his Rosenbaum house, which exemplifies a style he espoused as typically American; that is the Usonian style. One of this man's buildings which (*) survived the Great Kanto earthquake was his Imperial Hotel in Tokyo. He used a concentric spiral in designing the New York Guggenheim Museum, and a house he designed for the Kaufmann family was built partially over a waterfall. For 10 points, name this American architect who led the Prairie School and designed Fallingwater.

ANSWER: Frank Lloyd Wright

19. A "mousy" character in this work continually drinks brandy even after throwing up, while another relates the story of a boy who asked for a bergin and a water at a bar. A History professor mistakes a member of the Biology Department for one of Math in this play, and acts in it are titled The Exorcism and (*) Walpurgisnacht. A story is invented in this play in which a non-existent son crashes into a tree to avoid hitting a porcupine. Games like Bringing Up Baby and Get the Guest are played in this play in which Nick and Honey visit the bickering couple George and Martha after a party. For 10 points, this is what play by Edward Albee?

ANSWER: Who's Afraid of Virginia Woolf?

20. Laughter during this event was prompted by the response "Well, sometimes" to the question "Do you think about things you do think about?" This event was organized by George Rappleya and covered by H. L. Mencken for the *Baltimore Sun*. Later overturned on a technicality, this court case fined the defendant \$100 for violating the (*) Butler Act, which had been challenged by the ACLU. Held in Dayton, Tennessee, this case was argued by Clarence Darrow and William Jennings Bryan. For 10 points, name this 1925 Tennessee court case

nicknamed the Monkey Trial concerning the teaching of evolution in public schools.

ANSWER: Scopes Trial (or The State of Tennessee vs. John Thomas Scopes; or the Monkey Trial before mentioned)

TIEBREAKER/REPLACEMENT TOSSUPS

21. **This property is present in elements above the horizontal axis in the Bethe-Slater curve, and it only occurs in materials with one or more easy axes. Coercivity and remanence are characteristic properties of materials with this property that increases in discrete steps as shown by the Barkhausen effect. Owing to a (*) hysteresis loop, this property remains in a material even after an applied field is removed, though it disappears when a material is raised above the Curie temperature. Bulk materials with this property consist of domains of aligned spins. Cobalt, but not copper, possesses, for 10 points, what form of permanent magnetism named after iron?**

ANSWER: ferromagnetism [accept word forms; prompt on magnetism]

22. **This leader imprisoned the Scottish doctor Bob Astles for his support of this ruler's predecessor. He attempted to take over a neighboring country's province of Kagera, and banished all Asians from his country. This man allowed a hijacked Air France plane to land in his country, after which the Entebbe raid was taken by Israel on that plane. This leader attempted a failed invasion of Julius Nyerere's (*)Tanzania, and he came to power in a coup that overthrew Milton Obote. This man gave himself the eccentric titles of Conqueror of the British Empire and King of Scotland. For 10 points, name this notoriously brutal Ugandan dictator.**

ANSWER: Idi Amin Dada

BONUSES

1. This is the largest of the 50 United States. For 10 points each:

[10] Name this home of the Brooks Range and the only state that has a shore on the Arctic Ocean. It is bordered by Canada on the east.

ANSWER: Alaska

[10] This river, the longest in Alaska, originates in British Columbia and flows into the Bering Sea. A Canadian territory was named after this river.

ANSWER: Yukon River

[10] The Dalton Highway parallels this structure, which runs between Prudhoe Bay and Valdez.

ANSWER: Trans-Alaska Pipeline (or Alyeska Pipeline)

2. Its objectives were relief, recovery, and reform. For 10 points:

[10] Identify this program, designed by Franklin Roosevelt, whose creations included the Tennessee Valley Authority and the Works Progress Administration.

ANSWER: New Deal

[10] This New Deal legislation was accompanied by the Thomas Amendment, which laid out the rules for currency expansion. This act was ruled unconstitutional in *United States v. Butler*.

ANSWER: Agricultural Adjustment Act of 1933 [accept AAA, do not accept answers including any dates other than 1933]

[10] To support his New Deal, Franklin Roosevelt proposed this plan. It was not implemented partially because of the "switch in time that saved nine" in the *West Coast Hotel Co. vs. Parrish* decision.

ANSWER: court-packing plan [accept Judicial Procedures Reform Bill of 1937]

3. For 10 points, name these metals based on tests for identifying them:

[10] The acid test and aqua regia can be used to distinguish this extremely valuable metal from other more common metals, such as its "fool's" type.

ANSWER: gold or Au

[10] The flame test for this metal produces a bright yellow flame. It is the second lowest in atomic number of a group of metals that reacts violently when dropped in water, the alkali metals.

ANSWER: sodium or Na

[10] When thiocyanide is added to the +3 ion of this metal, a wine-red compound forms. Turnbull's blue contains this metal.

ANSWER: iron or Fe

4. A particle with mass of 125-127 GeV is thought to be this particle. For 10 points each:

[10] Name this particle thought to explain why other particles have mass. For a long time the only particle in the Standard Model not observed, it is often called the "God particle."

ANSWER: Higgs boson [prompt on "boson"]

[10] This largest particle accelerator in the world built by CERN has most likely found the Higgs boson. Some worried that it might produce planet destroying mini-black holes.

ANSWER: Large Hadron Collider [accept LHC]

[10] In December 2011, two different collaborations working with separate particle detectors in the LHC presented findings suggesting an energy level of 125 GeV for the Higgs boson. Name either.

ANSWER: ATLAS or CMS

5. Volumes of this work are titled "Swann's Way" and "The Fugitive." For 10 points each:

[10] Name this exceedingly long French novel. In one famous scene, a bout of involuntary memory is brought upon the narrator by the taste of a madeleine dipped in tea.

ANSWER: In Search of Lost Time (or Remembrance of Things Past; or À la recherche du temps perdu)

[10] *In Search of Lost Time* is a novel by this writer. He spent the last three years of his life confined to a cork-lined room working on it, but died before he could fully revise the last three volumes.

ANSWER: Marcel Proust

[10] This writer rejected the original manuscript of *In Search of Lost Time* from the *New French Review*. He is best known for his own novels *The Immoralist* and *The Counterfeiters*.

ANSWER: André Gide

6. This brass instrument is commonly used in New Orleans brass bands, and, unlike its close relative the baritone, it can easily glissando. For 10 points each:

[10] Name this brass instrument that makes use of a slide to change notes.

ANSWER: **trombone**

[10] This jazz trombonist and band leader was famous for numbers like "In the Mood" and "Moonlight Serenade". His plane crashed into the ocean during World War II.

ANSWER: Glenn **Miller**

[10] The trombone has a solo in the standard "It Don't Mean A Thing (If It Ain't Got That Swing)," a composition by this jazz composer and bandleader. Many of his tunes had lyrics written by Billy Strayhorn.

ANSWER: Edward Kennedy "Duke" **Ellington**

7. This poem begins "let us go then, you and I/when the evening is spread out against the sky/like a patient etherized upon a table." For 10 points each:

[10] Name this poem in which the title character has "heard the mermaids singing" and wonders "do I dare disturb the universe?"

ANSWER: "The **Love Song of J. Alfred Prufrock**"

[10] "The Love Song of J. Alfred Prufrock" is by this poet, who wrote about a "headpiece filled with straw" in "The Hollow Men." His "The Wasteland" ends with the refrain "Shantih shantih shantih."

ANSWER: Thomas Stearns **Eliot** (or T.S **Eliot**)

[10] This series of poems by Eliot includes *Burnt Norton*, *East Coker*, *The Dry Salvages*, and *Little Gidding*.

ANSWER: **Four Quartets**

8. The "Dropping the Pilot" cartoon depicts this man getting ditched by Kaiser Wilhelm II. For 10 points each:

[10] Name this "Iron Chancellor" who masterminded the unification of Germany and advocated for the use of "iron and blood."

ANSWER: Otto Eduard Leopold von **Bismarck**

[10] Bismarck's Kulturkampf policies largely affected these people, for whom the German Centre Party was created.

ANSWER: Roman **Catholics**

[10] In 1878, Bismarck passed the Anti-Socialist Laws in part to curb the growing influence of this party. This party's original platform, the Gotha Program, was superseded by its Erfurt Program.

ANSWER: German **Social Democratic** Party [accept **SPD**, do not accept "SDP"]

9. These creatures were born out of the union between Ixion and a thundercloud he believed to be Hera. For 10 points each:

[10] Nessus was a famous one of what half-man, half-horse combinations?

ANSWER: **centaurs**

[10] The immortal son of Cronus, this centaur served as the teacher of many heroes including Theseus.

ANSWER: **Chiron**

[10] A student of Chiron, this physician was eventually killed by Zeus after he accepted gold in exchange for bringing the dead back to life, although his father Apollo had him brought to Olympus as the god of medicine.

ANSWER: **Asclepius** (do not accept or prompt on "Aesculapius")

10. Russell Lee extensively photographed Pie Town during this period. For 10 points each:

[10] Name this period in which a Farm Security Administration photography campaign detailed the plights of people who had lost their jobs. The Dust Bowl occurred during this period.

ANSWER: **Great Depression**

[10] This FSA photographer is most famous for her picture *Migrant Mother*, in which a dusty Florence Owens Thompson cradles a baby with one hand and her chin in the other.

ANSWER: Dorothea **Lange**

[10] Pictures of Allie Mae Burroughs and others were taken by this FSA photographer. The book *Let Us Now Praise Famous Men* was published with text by James Agee and photos by this man.

ANSWER: Walker **Evans**

11. Elizabeth Loftus showed that this process can be tricked and manipulated. For 10 points each:

[10] Name this human ability in which information is stored, retrieved, and recalled. The short term form is often called its "working" form.

ANSWER: memory

[10] Many psychoanalysts have proposed that humans perform this action, in which painful memories are submerged in the subconscious.

ANSWER: repression

[10] The early philosopher and psychologist Hermann Ebbinghaus demonstrated this effect, in which information is better memorized when it is learned over long periods of time.

ANSWER: spacing effect

12. Priam's Treasure was discovered among the ruins of this ancient city. For 10 points each:

[10] Name this ancient city excavated in nine levels from the site of Hisarlik in Turkey. In mythology, this city was the site of a war that begun with the abduction of Helen.

ANSWER: Troy (or Ilion or Ilium)

[10] This German archaeologist was responsible for excavating the ruins of Troy. He also discovered the Mask of Agamemnon while excavating Mycenae.

ANSWER: Heinrich Schliemann

[10] This other archaeologist often worked with Schliemann. He was best known for excavating Minoan ruins on Crete, including the palace at Knossos.

ANSWER: Arthur Evans

13. It commemorates the 40 days that Jesus fasted in the desert and was tempted by the Devil. For 10 points each:

[10] Name this period of the Christian calendar that starts on Ash Wednesday and lasts for forty days. Christians often "give up" something during this time.

ANSWER: Lent

[10] In the Catholic church and many other denominations, Lent ends on this day. This day commemorates the Last Supper, and priests traditionally wash the feet of their parishioners on this day.

ANSWER: Maundy Thursday or Holy Thursday

[10] During Lent, this word, which appears four times in the Book of Revelation, is not said during Catholic church services. On Easter, a chorus with this word in its title is frequently sung.

ANSWER: Alleluia or Hallelujah

14. Monomers of these molecules are each composed of two heavy and two light chains joined by disulfide bridges. For 10 points each:

[10] Name this group of secreted Y-shaped molecules produced in response to antigens, which mark viruses and bacteria for removal by the immune system.

ANSWER: Antibodies [accept Immunoglobulins]

[10] Antibodies are produced by these cells, a type of lymphocyte that, in mammals, mature in the bone marrow.

ANSWER: B-cells [accept B-lymphocytes; prompt "white blood cell"]

[10] This particular class of antibodies forms a pentamer structure which facilitates the process of agglutination, in which multiple bacteria or viruses are bound by the monomers and clump together.

ANSWER: Immunoglobulin M or IgM

15. This author described an old man with the unusual aspect of having two large wings in the story "A Very Old Man With Enormous Wings." For 10 points each:

[10] Name this Columbian autho. He wrote about the Buendia family and the town of Macondo in *One Hundred Years of Solitude*.

ANSWER: Gabriel Garcia Marquez (do not prompt on or accept partial name)

[10] Carpentier is one of the founding members of this Latin America centered literary movement which uses extraordinary events in otherwise ordinary prose. European members include John Fowles and Franz Kafka.

ANSWER: magical realism (accept word forms)

[10] In another short story by Garcia Marquez, a group of village women discover a very handsome man they name Esteban. Oddly, he has this other title quality.

ANSWER: drowned (accept word forms; do not accept synonyms)

16. This poem is written in trochaic tetrameter and is set "by the shores of Gitche Gumee." For 10 points each:
[10] What poem follows the adventures of the title American-Indian figure, including his love of Minnehaha and defeat of the evil magician Pearl-Feather?

ANSWER: *The Song of Hiawatha*

[10] This Fireside poet penned *The Song of Hiawatha*. He wrote "listen my children and you shall hear / the midnight ride of Paul Revere" to open his poem "Paul Revere's Ride."

ANSWER: Henry Wadsworth Longfellow

[10] This other Fireside poet wrote *The Biglow Papers* to attack the Mexican-American War. He satirized his fellow poets in *A Fable for Critics* and was the first editor of *The Atlantic Monthly*.

ANSWER: James Russell Lowell

17. For 10 points each, answer some questions about current events that have involved race relations:

[10] This Florida teenager's shooting by George Zimmerman sparked a nationwide debate and a contentious trial.

ANSWER: Trayvon Martin

[10] This New York City policing policy of halting suspicious persons prompted arguments that it led to racial profiling. In August, a federal judge ruled it unconstitutional under the 4th Amendment.

ANSWER: stop-and-frisk [exact phrase necessary]

[10] In June, the Supreme Court struck down part of the Voting Rights Act after this Alabama county filed a case against the law.

ANSWER: Shelby County

18. This term has at times been applied to a Free State, a Democratic Republic, and a Republic. For 10 points each:

[10] Give this term that applies to a river and the region it runs through, which was colonized by King Leopold II of Belgium.

ANSWER: Congo

[10] After this dictator took power in the Democratic Republic of the Congo, he renamed it Zaire. He is known for wearing a leopard-print hat.

ANSWER: Mobutu Sese Seko Kuku Ngbendu wa Za Banga [or Joseph-Desire Mobutu]

[10] Mobutu gained power after he overthrew this man, the first Prime Minister of the DRC, in a coup. The secession of Katanga occurred while he was in power.

ANSWER: Patrice Lumumba

19. He painted an infant John the Baptist praying to an infant Jesus in his *Madonna of the Rocks*. For 10 points each:

[10] Name this artist who made the anatomical sketch *Vitruvian Man*.

ANSWER: Leonardo di ser Piero Da Vinci (accept either or both underlined parts)

[10] Da Vinci painted a version of this scene which resides as a mural on a wall in the Santa Maria delle Grazie. Jesus presides over a dinner with the Twelve Disciples in this scene.

ANSWER: the Last Supper

[10] This other artist painted a diagonal version of the Last Supper with a lamp serving as a focal point. He also painted the St. Mark series.

ANSWER: Tintoretto (or Jacopo Comin)

20. Examples of them include UNIX and Android. For 10 points each:

[10] Name these software programs used to manage computers, by far the most ubiquitous of which is Microsoft Windows.

ANSWER: operating systems or OS

[10] This free and open-license OS was created by a Finnish programmer with last name Torvalds. It was based on UNIX and has a penguin for a mascot.

ANSWER: Linux (DO NOT READ THIS NEXT ANSWER OUT LOUD if players do not first give it; accept GNU/Linux)

[10] The official name of Linux is sometimes prefaced with this three letter recursive acronym which names an OS developed by Richard Stallman, along with a "Project" founded by him focused on free software and mass collaboration.

ANSWER: GNU (accept GNU's Not Unix) [pronounced "Ga-noo"]

TIEBREAKER/REPLACEMENT BONUSSES

21. A character in this novel attempts to complete *The Key To All Mythologies*. For 10 points each:

[10] Name this novel in which Dorothea Brooke is forbidden from marrying Will Ladislaw by her dead husband Casaubon's will. It is subtitled "A Study of Provincial Life."

ANSWER: **Middlemarch**: *A Study of Provincial Life*

[10] *Middlemarch* is a work of this female British novelist. She also wrote *The Mill On the Floss* and *Silas Marner*.

ANSWER: George **Eliot** (or Mary Ann **Evans**)

[10] This *Middlemarch* character, a young doctor, marries Rosamond Vincy and struggles to stay afloat financially.

ANSWER: **Tertius Lydgate** (accept either or both)

22. As this man's Minister of Finances, Jean-Baptist Colbert forbid the selling of Venetian glass. For 10 points each:

[10] Name this "Sun King" of France who ruled for much of the 17th century.

ANSWER: **Louis XIV**

[10] This cardinal held power in France until Louis XIV came of age. The Fronde was aimed against this man, who succeeded Cardinal Richelieu as Chief Minister of France.

ANSWER: Cardinal Jules **Mazarin**

[10] This Marshal of France during the reign of Louis XIV was a proponent of star shaped fortifications, which led him to develop the Landau system.

ANSWER: Sebastien Le Prestre de **Vauban** [or Marquis de **Vauban**]