



1. **This composer's first piano concerto was initially rejected by Nikolai Rubinstein. One of his works features a bassoon solo notated with six Ps and a second movement whose 5/4 time signature provides its nickname, the "limping waltz". Another work by this composer features excerpts from "La Marseillaise" and "God Save the Tsar"; the score of that work calls for a carillon and (*) cannons.** For 10 points, name this Russian composer of the *Symphony Pathetique* and the *1812 Overture*.

ANSWER: Pyotr Ilyich Tchaikovsky

023-11-41-11102

2. **This poet recalls how he and his lover "sat we two, one another's best" upon a "pregnant bank swelled up" in his poem "The Ecstasy." Another poem by this man compares lovers to the two feet of a compass and is entitled "A Valediction: Forbidding Mourning." He wrote another poem which tells the title figure, "Thou art (*) slave to Fate, chance, kings, and desperate men" and declares "thou shalt die." For 10 points, name this metaphysical poet whose *Holy Sonnets* include "Death, Be Not Proud."**

ANSWER: John Donne

014-11-41-11103

3. **This artist of the *Seven Sorrows Polytych* depicted a sleeping dog and a lion lying in front of the title figure's desk in one work. Two mounted figures ride past a horned, pig-snouted demon in another of his engravings. This creator of *St. Jerome in His Study* and (*) *Knight, Death, and the Devil* included a magic square in his engraving *Melencolia I*.** For 10 points, name this German Renaissance artist, also known for woodcuts like *The Four Horsemen of the Apocalypse*.

ANSWER: Albrecht Durer

140-11-41-11104

4. **This hero came to the Phaiakian palace with Nausicaa. Aiolos gave this hero a bag of the winds which his crew released. Kalypso fell in love with and trapped this hero who escaped on a raft wrecked by Poseidon as punishment for this hero (*) blinding Polyphemos. This hero encountered the Lotus Eaters before eventually returning home and scheming with Eumaios and his son Telemachus to kill the suitors of his wife Penelope.** For 10 points, name this hero who was lost at sea after the Trojan War.

ANSWER: Odysseus

124-11-41-11105

5. **This ruler fought a war that included his wounding at the Battle of Dirschau. That war was fought against Sigisimund III of Poland and was ended by the Treaty of Altmark. During one battle, this man used the mobility of his infantry to capture the Count of Tilly's artillery, which he then turned on the enemy's squares. However, shortly after his victory at Breitenfeld, this ruler was slain while engaging (*) Wallenstein at the Battle of Luetzen. Succeeded by Christina, for 10 points, name this king of the House of Vasa, who led Sweden in the Thirty Years' War.**

ANSWER: Gustavus Adolphus [or Gustav II Adolf; or Gustavus II; prompt on Gustavus]

141-11-41-11106

6. In one of this man's stories, Jupiter's confusion between the right and left eyes of a skull delays William Legrand's excavation of Captain Kidd's treasure. He also wrote about a man who cuts out Pluto's eye and later kills his wife with an axe, only for his wife's corpse to be discovered behind a cellar wall. This author of "The Gold-Bug" and "The Black (*) Cat" wrote a story whose narrator murders an old man and hides the body under the floorboards, but confesses when haunted by the beating of the title object. For 10 points, name this American author of "The Tell-Tale Heart."

ANSWER: Edgar Allan Poe

019-11-41-11107

7. These substances can use either using a ping-pong mechanism or a ternary complex intermediate. One model of them defines the parameters K_m and V_{max} and uses a steady-state approximation. They can be inhibited non-competitively and competitively, and the change in their structure during substrate binding is described by the (*) induced-fit model. They can be allosterically regulated and perform their action at their active site. For 10 points, name these proteins that catalyze reactions.

ANSWER: enzymes

048-11-41-11108

8. One argument in favor of this doctrine concerns a super-scientist who lives in a black-and-white room who is then confronted with color. Besides Frank Jackson's "Mary's Room", David Chalmers defends the "substance" version of this doctrine by using philosophical zombies in one work. Ryle criticized it as "The Ghost in the Machine". This doctrine was first espoused in a work which posits the possibility of an evil demon casting an (*) illusion. For 10 points, name this philosophical doctrine espoused by Descartes, which states the mind and body are separate entities.

ANSWER: dualism

048-11-41-11109

9. Modified forms of this hormone include aspart, lispro, and glargine, and six molecules of this hormone coordinate to a zinc ion in a vesicle. This hormone results in increased GLUT4 expression in target tissue, and increases the rate of glycogen synthesis and fat storage. This hormone is released from the beta cells of the islets of (*) Langerhans, and opposes the action of glucagon (GLUE-kah-gohn). For 10 points, name this hormone which is often deficient in diabetics and is responsible for lowering blood sugar.

ANSWER: insulin

048-11-41-11110

10. Benjamin Jesty was ridiculed for performing this practice. One effort to perform this action on a large scale was the Balmis expedition. The developer of this practice was inspired by the letters of Lady Mary Montague. Both John Clinch and Benjamin Waterhouse introduced this practice in the Americas. One of the first test cases of this practice was James Phipps, using material from Sarah Nelms. It was originally developed by noting that (*) milkmaids were not susceptible to a certain disease. For 10 points, name this practice developed by Edward Jenner.

ANSWER: vaccination against smallpox [or inoculation against smallpox]

048-11-41-11111

11. **This man rose to political prominence by giving the "A Time for Choosing" speech on behalf of Barry Goldwater. After an attack on American soldiers in a West Berlin nightclub, this president ordered a bombing run over Libya. This president opposed the New Jewel movement of Maurice Bishop by invading the island of Grenada in Operation Urgent Fury. He ended one speech by declaring "Mr. (*) Gorbachev, tear down this wall!"** For 10 points, name this Republican who supported supply-side economics and served as president from 1981 to 1989.

ANSWER: Ronald Wilson Reagan

015-11-41-11112

12. **These entities become gigantic in the May-Hegglin anomaly, and their namesake factor 4 can bind to heparin (HEH-puh-rin). ADP activates their Gp-2-b-3-a integrins to aggregate. They contain dense and alpha granules, and are activated by the binding of von Willebrand factor. They originate from the megakaryocyte (meh-gah-KAH-ree-oh-sites) and cause a condition called (*) thrombosis.** These fragments also form a hemostatic plug before the formation of a clot during an injury. For 10 points, name these small fragments responsible for blood clotting.

ANSWER: platelets

048-11-41-11113

13. **This city contains a structure with terra cotta walrus heads stuck to the third floor, called the Arctic Building. Among the notable buildings in this city include a Central Library designed by Rem Koolhaas and the Experience (*) Music Project designed by Frank Gehry.** Another building here was inspired by flying saucer and has a top that rotates about once every hour. For 10 points, identify this rainy city that is home to the Space Needle.

ANSWER: Seattle

048-11-41-11114

14. **The impedance for this device is inversely proportional to frequency. In a DC circuit with this device, if a switch is initially open and is closed at time zero, the voltage across this device is defined as $V_{\text{sub-0}}$ times the quantity one minus e to the negative t over τ .** These circuit elements add in (*) parallel. The most common type contains a dielectric between its parallel plates. For 10 points, name this circuit element that stores charge and is characterized by a quantity measured in Farads.

ANSWER: capacitor

127-11-41-11115

15. **At one point in this novel, the title character desires to "spit out this stale wine" and kill himself, though he is dissuaded by a mystical sound coming from inside his body. The main character accepts that his son has run away to the city after his lover Kamala dies of a snakebite. The title man meets the ferryman named (*) Vasudeva after earlier living with the ascetic Samanas along with his friend Govinda.** For 10 points, identify this novel by Hermann Hesse about a character who shares his name with the Buddha.

ANSWER: Siddhartha

019-11-41-11116

16. **One character on this show forms the League of Doom, which includes Dustin Goolsby and drug dealer Sandy Ryerson. Another character on this show lives in the American Family Motel after his dad loses his job, and that character, Sam Evans, is known for his "Trouty Mouth." This show also features characters such as the former fake stutterer Tina Cohen-Chang and (*) wheelchair-bound Artie Abrams as members of New Directions.** For 10 points, name this TV show in which Will Schuester and Jane Lynch's Sue Sylvester fight over the existence of a high school show choir.

ANSWER: Glee

023-11-41-11117

17. Jay Wexler's 2004 to 2005 study found this current Supreme Court justice to be the funniest, as he induced 77 'laughing episodes.' Sandra Day O'Connor allegedly quipped to this justice in response to one of his stances that she was only on the Supreme Court because of affirmative action. This justice was appointed by Ronald Reagan to replace William Rehnquist as an associate justice. At one point, this justice had a ninety-seven percent voting alignment with (*) Clarence Thomas. For 10 points, name this conservative Italian-American justice currently on the Supreme Court.

ANSWER: Antonin Scalia

080-11-41-11118

18. This poet wrote of how people "since they were not the one dead, turned to their affairs" after a boy accidentally cuts his hand with a saw. This poet of "Out, Out-" also recalled seeing the title trees of one poem "bend to left and right" and wrote that "the woods are lovely, dark and deep; but I have promises to keep" in another. This poet wrote, "Something there is that doesn't love a wall" in his (*) "Mending Wall." He ended another poem by remarking, "And that has made all the difference." For 10 points, name this American poet of "Stopping by Woods on a Snowy Evening" and "The Road Not Taken."

ANSWER: Robert Lee Frost

124-11-41-11119

19. One structure in this location resembles a "bird being released by a child's hand", according to its designer Santiago Calatrava. Arad and Walker designed a structure for this location called *Reflecting Absence*. The original buildings here were designed by Minoru Yamasaki. The newest plan for this location, a work of Daniel Liebeskind, features the 1776-foot-tall (*) Freedom Tower. For 10 points, name this location in New York City whose namesake buildings were destroyed on September 11, 2001.

ANSWER: the World Trade Center complex [or Ground Zero; accept other logical equivalents that include something specifying the World Trade Center or where it stood]

020-11-41-11120

20. Gerhard, Wilhelmy, and Connolly showed the dependence of this behavior on group size, and this behavior can be catalyzed by informational influence or normative influence. In *Escape from Freedom*, Fromm theorized that people escape through authoritarianism, destruction, or this behavior. One test of this phenomenon was performed using cards with lines of three different lengths by (*) Solomon Asch. For 10 points, name this psychological phenomenon in which people match beliefs, actions, and attitudes to a common norm in order to prevent social rejection.

ANSWER: conformity [or social influence]

048-11-41-11121

21. Images presented in this poem include that of "some heart once pregnant with celestial fire" and "hands, that the rod of empire might have swayed." This poem speaks of "some mute inglorious Milton" and a location where "each in his narrow cell for ever laid." This poem is set "far from the (*) madding crowd's ignoble strife", and opens by describing how "the ploughman homeward ploughs his weary way" after "the curfew tolls the knell of the parting day." For 10 points, name this meditation on death by Thomas Gray.

ANSWER: "Elegy Written in a Country Churchyard"

048-11-41-11122

22. **The Treaty of Bretigny was signed during this conflict, end its first phase. One side in this conflict had its fleet destroyed at the Battle of Sluys. One leader during this war took the motto and three ostrich feather symbol of John of Bohemia after defeating John in battle. During one battle in this conflict, French knights bogged down by mud were easy targets for troops under Henry V. This conflict also saw a (*) teenager help lift the Siege of Orleans. For 10 points, name this conflict that included the Battle of Agincourt and the heroics of Joan of Arc.**

ANSWER: One Hundred Years' War

064-11-41-11123

23. **Curare inhibits one of this compound's receptors. Pre-ganglionic (gang-gee-OHN-ick) fibers in both the sympathetic and parasympathetic nervous system use it. Botulism produces a toxin that inhibits this compound. Its muscarinic (moo-skah-REEN-ick) receptors can be found in the heart and stomach, while its nicotinic receptors are found in the nervous system. It is broken down in the neuromuscular junction by a namesake esterase (ESS-tehr-ase), which is inhibited by nerve gas like (*) Sarin. For 10 points, name this neurotransmitter that causes muscle contractions.**

ANSWER: acetylcholine (ah-see-till-KOH-leen) [or Ach]

048-11-41-11124



1. Operation Nemesis was an effort to assassinate the people who planned this, and it's victims were aided by the American Committee for Relief in the Near East. For 10 points each:

[10] Name this event which began with mass deportations under the Tehcir law. Its victims were forced to march in the deserts without food or water, and one country refuses to recognize it as a special occurrence.

ANSWER: **Armenian Genocide** [or **Mets Yeghern**]

[10] The Armenian Genocide took place in this country, which at the time was the center of the Ottoman Empire.

ANSWER: Republic of **Turkey** [or **Turkiye Cumhuriyeti**]

[10] Arnold Toynbee wrote a history of the Armenian Genocide subtitled *The Murder of a Nation*. This other comparative historian dubbed modern civilization as "Faustian" in his *The Decline of the West*.

ANSWER: Oswald **Spengler**

048-11-41-11201

2. Members of this phylum use a madreporite to filter water as part of their vascular system. For 10 points each:

[10] Name this phylum that includes animals with pentaradial symmetry. Classic examples include starfish and sea cucumbers.

ANSWER: **echinodermata** (ee-KIY-no-duhr-MAH-tah)

[10] This class of echinoderms are used as model organisms in developmental biology. They are in the class echinoidea (ee-kiy-NOY-dee-ah) and have a lot of spines all over their body.

ANSWER: sea **urchins**

[10] Echinoderms are among the largest group in this superphylum, whose name describes the two openings they have for a mouth and an anus.

ANSWER: **deuterostomes** (dew-TEH-roh-stome) [or **deuterostomia**]

048-11-41-11202

3. It has no effect when set below the equilibrium price. For 10 points each:

[10] Name this policy which sets a lower bound on the price of labor.

ANSWER: **minimum wage**

[10] The difference between the quantity of workers demanded at the minimum and equilibrium wages represents this quantity. The Phillips Curve describes its relationship with inflation.

ANSWER: **unemployment**

[10] The minimum wage can increase employment in this type of market, which contains many sellers but one buyer. One example of them is the labor market in a company town.

ANSWER: **monopsony**

093-11-41-11203

4. For 10 points each, identify the following terms related to crystals.

[10] This is the amount of energy required to form one mole of a crystal compound from each of its component gas-phase ions.

ANSWER: **lattice energy**

[10] This is the smallest repeating unit of a crystal lattice. There are seven basic types, including cubic and orthorhombic.

ANSWER: **unit cell**

[10] There are two sphere packing systems in crystals that give a maximal packing factor of 74%. Name either.

ANSWER: **face-centered cubic** or **hexagonal close packed** [accept **fcc** or **hcp**, accept **cubic close packed** or **ccp** for **fcc**]

003-11-41-11204

5. One of this author's poems compares the title figure to "a violet by a mossy stone half hidden from the eye." For 10 points each:

[10] Name this Romantic poet who wrote "She Dwelt among the Untrodden Ways," one of his "Lucy Poems," and collaborated on *Lyrical Ballads* with Samuel Taylor Coleridge.

ANSWER: William **Wordsworth**

[10] Wordsworth described these flowers as "continuous as the stars that shine and twinkle on the Milky Way" in a poem where he recounts seeing ten thousand of them, "I Wandered Lonely as a Cloud."

ANSWER: **daffodils**

[10] Wordsworth's also wrote this poem that describes a trip he made with his sister Dorothy to the namesake church by the river Wye.

ANSWER: "Lines composed a few miles above **Tintern Abbey** on revisiting the banks of the Wye during a tour, 13 July 1798"

020-11-41-11205

6. The creator of this painting may have modeled the figure of Heraclitus on Michelangelo. For 10 points each:

[10] Name this painting, which depicts Plato and Aristotle walking through the title location, surrounded by classical thinkers and mathematicians.

ANSWER: *The* **School of Athens** [or **Scuola di Atene**]

[10] This Renaissance artist and student of Perugino painted *The School of Athens* as well as a *Madonna of the Goldfinch*.

ANSWER: **Raphael** Sanzio [or Raphael **Sanzio**]

[10] A miter lies next to two bored cherubs at the bottom of this Raphael painting, in which Mary and the infant Jesus stand on a cloud flanked by Saint Barbara and the namesake pope.

ANSWER: **Sistine Madonna** [or the **Madonna di San Sisto**]

080-11-41-11206

7. This theory was an extension of an earlier theory in an attempt to show how gravity affected the curvature of space. For 10 points each:

[10] Name this theory published by Albert Einstein in 1916.

ANSWER: theory of **general relativity** [prompt on **relativity**]

[10] General relativity can be used to confirm this principle, which states that time is slower at a lower gravitational potential.

ANSWER: gravitational **time dilation**

[10] This British physicist performed one of the earliest tests confirming general relativity, observing the deflection of solar light in a 1919 eclipse.

ANSWER: Sir Arthur **Eddington**

064-11-41-11207

8. In this play, Mitch listens to another character's recollection of her husband Allan's suicide. For 10 points each:

[10] Name this play in which Blanche DuBois comes to live with her sister in New Orleans, is raped by her sister's husband Stanley, and is sent to an asylum.

ANSWER: A ***Streetcar Named Desire***

[10] This author of *A Streetcar Named Desire* also wrote of Amanda Wingfield's obsession with finding "gentlemen callers" for her daughter Laura in *The Glass Menagerie*.

ANSWER: Tennessee **Williams**

[10] This woman, Blanche's sister, is Stanley Kowalski's pregnant wife. Although Stanley is abusive, she refuses to leave him.

ANSWER: **Stella** Kowalski [prompt on **Kowalski**]

105-11-41-11208

9. Identify some things about the journey of the Argonauts, for 10 points each:

[10] The Argonauts were tasked by King Pelias to recover this item, which was nailed to an oak by King Aetes. It was created after Phrixus sacrificed a ram to the gods.

ANSWER: **Golden Fleece**

[10] Jason was aided in his quest by this witch, whom he later had two children with. This figure later killed those two children after Jason married Creusa.

ANSWER: **Medea**

[10] At one point in the journey, Jason planted a few of these objects, which grew into warriors. Cadmus performed a similar task during his quest, creating the spartoi.

ANSWER: **Dragon's teeth** [accept equivalents]

048-11-41-11209

10. Near the end of this work, the protagonist dyes his hair and becomes similar in appearance to several red-haired men he encountered earlier. For 10 points each:

[10] Name this work in set during a cholera epidemic in which Gustav von Aschenbach falls in love with a Polish boy named Tadzio.

ANSWER: ***Death in Venice*** [or *Der Tod in Venedig*]

[10] *Death in Venice* is a work by this German novelist of *The Magic Mountain*.

ANSWER: Thomas **Mann**

[10] Set in Lübeck, this other Mann novel depicts the decline of the namesake family, and ends with Christian being sent to an asylum and Gerta selling all of her possessions.

ANSWER: ***Buddenbrooks***

140-11-41-11210

11. This author imitated the eclogues of Mantuanus to write a poetic series starring Colin Clout. For 10 points each:

[10] Name this author of *The Shepheardes Calendar* and *Amoretti* who wrote an incomplete work that recounts the destruction of the Bower of Bliss.

ANSWER: Edmund **Spenser**

[10] That aforementioned work by Spenser is this allegorical epic poem, whose first book focuses on the exploits of the Redcrosse Knight.

ANSWER: *The **Faerie Queene***

[10] The character of Scudamour in *The Faerie Queene* was a courtier of this Queen of England, who patronized Shakespeare and Spenser.

ANSWER: **Elizabeth I** [or **The Virgin Queen**; or **Gloriana**; or **Good Queen Bess**; prompt on **Elizabeth**]

020-11-41-11211

12. Answer some questions about the periodic table, for 10 points each:

[10] The columns of the periodic table are called groups. The rows, on the other hand, have this name, and their arrangement can be explained by what orbitals they use.

ANSWER: **period**

[10] This Russian scientist and vodka enthusiast developed one of the earlier formulations of the periodic table. He was partly inspired by John Newland's Law of Octaves.

ANSWER: Dmitri **Mendeleev**

[10] This other scientist rearranged the periodic table to put the lanthanides and actinides at the bottom. Element number 106 is named for him.

ANSWER: Glenn Theodore **Seaborg**

048-11-41-11212

13. One chronicler described this man as the "hammer of heretics." For 10 points each:

[10] Identify this personal confessor to Isabella I of Castille, who led the campaign to rid Spain of non-Christians.

ANSWER: Thomas de **Torquemada**

[10] Thomas de Torquemada led this effort, which saw thousands of non-Catholics executed and tortured under the rule of Ferdinand and Isabella.

ANSWER: Spanish **Inquisition**

[10] Ferdinand and Isabella passed the Alhambra decree in 1492, which expelled these people from Spain.

ANSWER: **Jews** [accept equivalents]

048-11-41-11213

14. For an atom, it is computed by adding the number of electrons in lone pairs and one-half the number of electrons in bonds, then subtracting that number from the normal valence. For 10 points each:

[10] Name this measure of the nominal charge on an atom in a molecule.

ANSWER: **formal charge**

[10] The principle of electroneutrality says that when two or more of these kinds of structures are possible, the preferred one is the one in which all formal charges are closest to zero.

ANSWER: **resonance** structures

[10] If two resonance structures are equally electroneutral, the preferred one has the more negative formal charge on the atom with a higher value for this ability to attract electrons in a bond.

ANSWER: **electronegativity**

003-11-41-11214

15. This man was only able to get one of his thirty-seven elephants across the Alps. For 10 points each:
[10] Name this Carthaginian general who swore an oath of enmity to Rome as a child and won such battles as Cannae and Lake Trasimene.

ANSWER: **Hannibal** Barca

[10] Hannibal led Carthage in this conflict, which began after the siege of Saguntum and ended with the Battle of Zama.

ANSWER: **Second Punic** War [prompt on **Punic** Wars]

[10] This Roman general was present at the Battle of Cannae and gained his nickname by defeating Hannibal at Zama.

ANSWER: **Scipio** Africanus the Elder [or **Scipio** Africanus Major; or Publius Cornelius **Scipio** Africanus]

105-11-41-11215

16. Leyding and Dromi failed to contain this beast, who will be killed by Odin's son Vidarr at Ragnarok using a shoe. For 10 points each:

[10] Name this gigantic wolf which is bound by the chain Gleipnir, an evil monster in Norse mythology.

ANSWER: **Fenrir** or **Fenris**

[10] Fenrir was the son of this Norse trickster god with the giantess Angrboda. His other children include Hel and the Midgard Serpent.

ANSWER: **Loki**

[10] Fenrir was bound with the help of this god, whose hand was bitten off by the beast.

ANSWER: **Tyr**

048-11-41-11216

17. This ruler was possibly preceded in that role by Smenkhkare, and his youth led to his being advised by Ay and Horemheb. For 10 points each:

[10] Name this pharaoh whose tomb, KV 62, was discovered in 1922 by Howard Carter.

ANSWER: **Tutankhamun** [or King **Tut**; or **Tutankhaten**]

[10] King Tut likely started the change back from monotheism instituted by this pharaoh, who moved his capital to Amarna.

ANSWER: **Akhenaten** [or **Akhnaton**; or **Amenhotep IV**; or **Amenophis IV**; prompt on **Amenhotep**; prompt on **Amenophis**]

[10] This wife of Akhenaten is believed by some to actually have been Smenkhkare and ruled for a time as a female pharaoh.

ANSWER: **Nefertiti**

023-11-41-11217

18. Schubert's Great Symphony is in this key, as is a semi-aleatoric piece composed by Terry Riley. For 10 points each:

[10] Identify this major key that has no flats and no sharps.

ANSWER: **C** major

[10] The relative minor of C major is this key, which also has no flats and no sharps.

ANSWER: **A** minor

[10] This is the action of shifting a melody up or down by a constant interval. It can be used to change a piece of music to a different key.

ANSWER: **transposition** [accept word forms like "transposing"]

048-11-41-11218

19. George Cabot presided over this meeting. For 10 points each:

[10] Name this 1814-1815 meeting during which the Essex Junto called for the secession of New England states.

ANSWER: **Hartford Convention**

[10] Members of this party, which supported high tariffs and good relations with Britain, called the Hartford Convention. John Adams was the only member of this party to serve as President.

ANSWER: **Federalist** Party

[10] The Federalists organized the Convention to oppose this war between the U.S. and Britain that started in a namesake year.

ANSWER: War of **1812**

079-11-41-11219

20. This country's capital was designed by Oscar Niemeyer and Lucio Costa. For 10 points each:

[10] Name this Portuguese-speaking South American nation, which is home to the city of Rio de Janeiro.

ANSWER: **Brazil**

[10] This largest city in Brazil is nicknamed "Sampa."

ANSWER: **Sao Paulo**

[10] This state on Brazil's east coast is home to Salvador, its third largest city. Jorge Amado's novels are usually set in this state.

ANSWER: **Bahia**

015-11-41-11220

21. This novel opens with the line "A screaming comes across the sky." For 10 points each:

[10] Name this novel set partially during World War II, which heavily involves V-2 rockets, whose trajectory traces the title arc in the sky.

ANSWER: **Gravity's Rainbow**

[10] This protagonist of *Gravity's Rainbow* is a lieutenant whose childhood conditioning by Laszlo Jamf causes rocket explosions to give him erections.

ANSWER: Tyrone **Slothrop** [or **Tyrone** Slothrop]

[10] *Gravity's Rainbow* was written by this postmodern American novelist of *V.* and *The Crying of Lot 49*.

ANSWER: Thomas **Pynchon**

127-11-41-11221