1. This author's real name was Lulu Smith. Her short stories include The Ballad of the Sad Cafe, and her longer works include Clock Without Hands. However, she is perhaps best known for her novel about the deaf man Mr. Singer and his failed quest for companionship, ending in his suicide. FTP, name this author of The Heart is a Lonely Hunter.

Ans: Carson McCullers
2. He argues that one had reason to doubt the senses because one didn't know when one was dreaming and one was awake. After that, he made the case that perhaps God or an evil spirit was tricking him, but later concludes that since he was certain he had thoughts, he therefore exists as a thinking being. These arguments can be found in his Meditations on First Philosophy. FTP, name this philosopher perhaps best known for the axiom "ego cogito, ergo sum", or, "I think, therefore I am."

Ans: Rene Descartes
3. Those living near it quickly labeled it Schandmauer. Roughly 26 miles in length, its concrete slabs were about 4 meters high and are sometimes topped by barbed wire and large metal pipes. Guard dogs and mines could usually be found on one side of it, in case the electronic alarm systems failed to detect someone trying to escape over it. FTP, name this former landmark whose construction was begun in 1961, where over 70 people died while trying to cross to a noncommunist city before it was finally torn down.
Ans: Berlin Wall
4. The result of this biological process is that one gamete receives two of the same type of chromosome, and another gamete receives no copy. This is caused by a failure of a pair of homologous chromosomes to move apart properly in meiosis I, or the failure of sister chromatids to separate during meiosis II. FTP, name this process, which in humans often results in Down's Syndrome.

## Ans: Nondisjunction

5. Born with seven fingers on each hand and seven pupils in each eye, he was known as Setanta as a child. The ward of Conchubar, he defended Ulster against Medb during the Cattle Raid of Cuailgne and wielded a spear called the Gae Bolg. FTP, name this hero of the Ulster cycle, who gained his name after killing the hound of the smith Cullain.

Ans: Cu Chulainn
6. He lived in Neulengbach with his lover Wally Neuzil until he was imprisoned for 24 days after being falsely accused of seducing a minor. This charge was dropped, but he was found guilty of distributing pornographic art to children. His paintings of emapiciated nudes were exhibited at shows in Prague and Dresden in 1918, but he died later that year from influenza. FTP, name this Austrian artist, known for such works as Dead Girl and Embrace.

Ans: Egon Schiele
7. Scanlon has destructive fantasies, Seefelt and Frederickson are epileptics, George has a pathological fear of dirt, and Harding voluntarily committed himself to the asylum. The narrator is a huge, paranoid-schizophrenic Indian who eventually escapes by throwing a control panel through a window. FTP, name this novel narrated by Chief Bromden in which Randle McMurphy and Nurse Ratched struggle for control of a mental ward, the best-known work of Ken Kesey.

Ans: One Flew Over the Cuckoo's Nest
8. This battle lasted only about 40 minutes. About 5,000 Highlanders engaged 9,000 Redcoats; however, the Highlanders lost about a thousand men while the Redcoats only lost about 50. This was probably due to the Highlanders' dubious tactic of charging straight at the English cannon. Also known as the Battle of Drummossie, it ended the "Forty-five Rebellion" and attempts by the Jacobites to restore a Stuart to the English throne. FTP, name this 1746 battle in which William Augustus, Duke of Cumberland, defeated Bonnie Prince Charlie.

Ans: Battle of Culloden Moor
9. This band formed with Bernard Sumner as the lead singer after Joy Division self-destructed upon the death of Ian Curtis. Recently, its members have gone on to work on side projects, with Gillian Gilbert and Stephen Morris forming The Other Two and Peter Hook performing with Monaco. FTP, name this band, whose albums include Brotherhood and Power, Corruption and Lies, perhaps best known for the hits True Faith and Bizarre Love Triangle off the album Substance.

Ans: New Order
10. A metal surface is illuminated with a beam of light. Electrons are emitted from the surface, and the rate that they are admitted depends on the intensity of the light. The rate of emission is independent of the wavelength below a certain wavelength lambda-c. The value of lambda-c depends on the kind of metal, but NOT the intensity of the light source. FTP, name the phenomenon which I have just described, which was described by Albert Einstein in 1905 and which would later win him the Nobel Prize.
Ans: The Photoelectric Effect
11. It is run by a board of three members, which are appointed to nine-year terms by the President. Shortly after its inception, its activities included manufacturing nitrates for fertilizer and reforestation activities. However, it is probably better known for attempts to stop flooding and soil erosion in its 40,910 square mile area. FTP, name this embattled federal corporation created in 1933, which built most of the 39 dams it operates. Ans: Tennessee Valley Authority or TVA
12. He was imprisoned for spying, but was really an escaped P.O.W. during World War II. During the course of the book, he buys tobacco from the Lett in the next barrack, swipes an extra bowl of kasha at lunch, listens to his squad leader Tiurin reminisce, and works with Senka and Kilgas to build a wall before finally going to bed thinking about how he almost had a good day. FTP, name this fictional character, whose experiences are partially based on Alexander Solszhenitsyn's own gulag experiences.

Ans: Ivan Denisovich Shukov(acc. Ivan Denisovich)
13. One variety of this hydrocarbon is used to ripen fruit and start the preparation of other organic substances such as ethyl alcohol. They consist of unsaturated hydrocarbons in which there is one carbon-carbon double bond in the molecule. FTP, name this class of hydrocarbon, of which the most commonly produced is ethene. Ans: Alkenes
14. He often performed with the New York Philharmonic Orchestra as a solo pianist. Though he wrote the soundtrack for the movie On the Waterfront and the ballet Fancy Free, he is better known for musicals such as On the Town. He first gained fame in 1943 when he conducted a New York Philharmonic concert, and would go on to direct the Philharmonic for 11 years. FTP, name this composer of West Side Story whose name appears in a famous REM song.

## Ans: Leonard Bernstein

15. One of its molecules is a single strand about 80 nucleotides long, which folds back around on itself to form a cloverleaf shape. Its function is to move amino acids from the cytoplasm's amino acid pool to a ribosome. FTP, name this type of nucleic acid, which binds its anticodon to a complementary codon of mRNA. Ans: Transfer RNA
16. He predicted that the Versailles peace settlement would fail because of the reparations demanded of the Central Powers. This was detailed in his book The Economic Consequences of the Peace. He believed that increased government spending and lower interest rates would boost the economy by increasing employment and consumer spending. FTP, name this economist, who argued against laissez faire in The General Theory of Employment, Interest, and Money.

Ans: John Maynard Keynes
17. Robert Clive's preparations to attack Bengal caused the nawab of Bengal to seize a key city. The nawab then locked away British prisoners in anticipation of Clive's arrival. FTP, name this infamous incident in which only 20 prisoners survived, when 60 British prisoners were locked overnight in an airless dungeon.

## Ans: The Black Hole of Calcutta

18. His five years of service with the Indian Imperial Police led to his novel Burmese Days. Later, Israel Gollancz commissioned him to write a documentary about unemployed life, which was published as The Road to Wigan Pier. FTP, name this author best known for political satires on totalitarianism and socialism, the creator of the character Winston Smith in the novel 1984.
Ans: George Orwell (acc. Eric Arthur Blair)
19. "Every day is alone in itself, whatever enjoyment I've had, and whatever sorrow I've had." So claims H.M., a mental patient studied by William Scoville and Brenda Milner. H.M. had the anterograde version of this affliction, which can also be found with retrograde and infantile varieties. FTP, name this psychological problem which involves a severe loss of memory.

Ans: Amnesia
20. It was founded as a trading post in 1871 by Van Smith, and named by Smith for his father. Lying along the Hondo river, it became the county seat of Chaves County in 1889 and houses the New Mexico Military Institute. FTP, name this town, now a tourist attraction to those interested in UFO sightings.
Ans: Roswell
21. He wrote "These are the times that try men's souls. The summer soldier and the sunshine patriot will in this crisis shrink from the service of their country." in The Crisis, a series of pamphlets printed in 1776. He would later travel to France and became a member of the National Convention. FTP, name this author of The Age of Reason, perhaps most famous for the pamphlet Common Sense.

Ans: Thomas Paine
22. When Hector challenged the Greek armies to send a champion to fight him, this warrior was the one chosen, and managed to fight Hector to a draw. The ruler of Salamis and the son of Telamon, he was a huge man who eventually went mad when the armor of Achilles went to Odysseus instead of himself. FTP, name this warrior who was second in battle only to Achilles, who is not to be confused with the son of Oileaus.
Ans: Ajax the Greater (accept the Telamonian Ajax or Ajax son of Telemon, etc., early; also accept Aias instead of Ajax)
23. He nearly died at Point Lookout in 1865 in a Union P.O.W. camp, but survived and was later one of the world's finest flutists despite having tuberculosis. He didn't reach poetic fame until Corn was published, and memorialized his native Georgia with The Marshes of Glynn. FTP, name this poet, best known for The Symphony.

Ans: Sidney Lanier
24. It began as a peaceful protest in front of the tsar's winter palace, in which the marchers led by Father Gaspon demanded better working conditions and a constituent assembly. As marchers singing the hymn "God Save the Tsar" approached the palace, government troops opened fire. FTP, name this January ninth, 1905 incident in St. Petersburg, in which hundreds of civilians were killed or wounded.
Ans: Bloody Sunday
25. The title object is given to Rachel Verrinder for her birthday, but it disappears the same night. The suspects include Rachel, her cousin Franklin Blake, a housmaid, and a group of Indian jugglers. The story is narrated by the house steward Gabriel Betteredge, who aids Sergeant Cuff in solving the mystery. FTP, name this novel about a diamond, written by Wilkie Collins.

Ans: The Moonstone

1. Answer the following questions about The Taming of the Shrew for the stated number of points each. First, for 5 points each, give the names of the Shrew and the man who tames her.
Ans: Katherine and Petruchio
Next, for 10 points, give the name of Katherine's father.
Ans: Baptista Minola(accept either)
Finally, for 10 points, name the drunken tinker for whom the play is performed.
Ans: Christopher Sly
2. Given the brightest star in the constellation, identify the constellation for 10 points each.

| Altair | Ans: Aquila |
| :--- | :--- |
| Procyon | Ans: Canis Minor |
| Spica | Ans: Virgo |

3. Witin the possible impeachment of a president looming, it seems appropriate io ask about the only previous case of impeachment in U.S. presidential history. Identify the following concerning Andrew Johnson's near-removal from office, for the stated number of points.
(a) Johnson's violation of this act of Congress provided the radicals with a pretext for beginning impeachment proceedings. Name it FTP.

Tenure of Office Act
( $b \& c$ ) Johnson had intended to create a test case for the Tenure of Office Act by firing one of his cabinet secretaries. For five points each, name the secretary and his department.

Edwin Stanton; War
(d) Article I, section 3 of the Constitution specifies that at the Senate trial of an impeached President, ". . the Chief Justice shall preside." FTP name the Chief Justice at the time of Johnson's trial. Salmon P. Chase
4. For the stated number of points name the country which possesses the stated port cities.
(5) - Aden, Mocha, and Nishtun

Answer: Yemen
(10) - Dunedin and Tauranga
(15)- Kaunas and Klaipeda

Answer: New Zealand
Answer: Lithuania
5. Name the element from clues for the stated number of points:
(5) First isolated by Hans Christian Oersted in 1825, this element is used in electrical transmission lines because of its lightness and price even though its electrical conductivity is only about $60 \%$ that of copper per area of cross section.

Aluminum; accept aluminium
(10) Named after the Greek word for a green twig because the green spectral line identified it this element was discovered in 1861 by Sir William Crookes. Odorless and tasteless, its sulphate was widely used as a rodenticide and ant killer.

## Thallium

(15) Discovered by Anders Ekeberg in Sweden, 1802, this element is a greey blue solid at standard temperature and pressure. It is used in electrolytic capacitors, vacuum furnace parts, surgical appliances, and its carbide graphite composites may be some of the hardest materials ever made. Tantalum
6. 30-20-10 Name the writer from clues.
(30) Born in Newport News, Virginia, this was also the setting for his first novel which won him the Prix de Rome from the American Academy of Arts and Sciences.
(20) In the summer of 1985, he was struck by clinical depression. His road to recovery resulted in "Darkness Visible: A Memoir of Madness."
(10) He was awarded the Pulitzer Prize in 1968 for The Confessions of Nat Turner.

Answer: William Styron
7. In Carl Gustav Jung's psychology, archetypes are 'universal ideas or images' that reside in the collective unconscious. Identify the the following archetypes from Jung's description. Each part is 10 points.
(1) This term refers generally to one's external role, "the face put forward for society's sake", and most often it is a particular job or profession. Psychological well-being requires that one identify with such a role, but not to the extent that developments outside the role are hindered.
persona
(2) One form of this term, derived from the Latin for "spirit", refers to the feminine image or "part of personality". The other form of the term refers to the counterpart male image or "part of personality". You may give either form of the term.

## anima or animus

(3) People frequently attempt to repress or ignore this archetype, and not without reason, because it is the part of the personality that urges them to commit hostile or vengeful acts, without regarding societal norms or education. As the source of creativity in general, this archetype also offers great benefits to those who are able to come to terms with it and "accept it as normal". shadow
8. FTSNOP, identify from clues these figures important in the development of the Athenian democracy.

1. (5) This poet and archon (annual ruler) of 594 B.C. instituted a reform of land distribution, made the Ecclesia (or, assembly) the sovereign body, and completely reformed the law code of Draco. In gratitude for this last service, especially, later historians included him in the list of the Seven Wise Men of Greece. Solon
2. (10) Over the opposition of the nobles and the Spartans, this scion of the prominent but 'cursed' Alcmaeonid clan in 508B.C. pushed through the bill of reforms which is generally considered to have established the Athenian democracy. Among other changes, he created demes, or localities, to replace bloodlines as the basis of political and social organization.

Cleisthenes
3. (15) Leader of the democratic party, almost a half-century after Cleisthenes, this 'general' and enemy of Cimon in 462-1B.C. 'stripped the aristocratic court, the Areopagus' of all powers but those of judicial review. This move lead to his assassination, but not the repeal of his laws, which remained in place throughout the 'radical' phase of Athenian democracy.

Ephialtes
9. Every good Scrabble player knows that the Q tile is the worst to have and getting rid of it quickly is a must.

So, it is a blessing that there are three words three letters in length containing the letter Q. FTP each, given the part of speech and a brief definition, spell each word.
(1) A preposition meaning "in the capacity or character of". Q-U-A
(2) - A noun, it is a shrub cultivated in the Middle East and Africa for its leaves and buds that are the source of an habituating stimulant when chewed or used as a tea.
(3) - This noun's definition is a marketplace in northern Africa or the Middle East or a stall in such a marketplace.
10. In the 1949 book The God That Failed six famous writers tell the story of their involvement with Communism and of their eventual disillusionment with the doctrine and the Party. For the stated number of points, from their respective descriptions in "Notes on Contributors", identify the three so-called "Initiates", those who had actually served the Party for extended periods.
(5) "Born on September 4th, 1908, on a plantation twenty-five miles from Natchez, Mississippi... At fifteen he left home and worked for two years in Memphis where he read H.L. Mencken's Book of Prefaces and decided to become a writer... He joined the Communist Part through the John Reed Club. His books are: Uncle Tom's Children (short stories), How Bigger was Born, Native Son, and Black Boy." Richard Wright (10) "Born on September 5, 1905, in Budapest... He joined the Communist Party on December 31, 1931, and left it in the spring of 1938, after his imprisonment by the Franco authorities during the Civil War in Spain, which he described in Spanish Testament... His works include Darkness at Noon,. . .The Yogi and the Commissar, [and] Insight and Outlook. . ." Arthur Koestler (15) "In 1921 he took part in the foundation of the Italian Communist Party;. . . . [He] left the Communist party in 1930... BIBLIOGRAPHY: Fonamara, novel, 1930; Bread and Wine, novel, 1937; The School for Dictators, dialogues, 1938."
11. Name the American painter [from the Ashcan School] for 10 points. Five points if you need more info. (1a) A distant cousin of Mary Cassatt, he taught at the New York School of Art from 1902 to 1912 and at the Ferrer Center School from 1911 to 1918 where his students included Man Ray and (briefly) Leon Trotsky. (1b) One of his most famous works depicts Madame Voclezca as the title character in the first New York performance of one of Strauss' operas.

Robert Earle HENRI (pronounced Hen-Rye but acc. Hen-Ree)
(2a) He claimed to be a professional boxer named "Chicago Whitey" and worked for papers drawing some of the now classic early American comic strips of the 1890s, The Yellow Kid, Hogan's Alley, and McFadden's Flats.
(2b) His Hester Street (1905), a "slice of overbrimming Jewish life from the Lower East Side", is composed of a "frieze of jostling figures parallel with the backdrop plane of tenements and shops". George LUKS
(3a) His painting the Cliff Dwellers' original drawing was published by the socialist paper The Masses under the caption "Why don't they go to the country for a vacation?"
(3b) His 1907 compostition, 42 Kids, depicts adolescents on "Splinter Beach" in the Hudson whose "squirming, hopping bodies reminded one hostile critic of maggots".

George BELLOWS
12. Identify the novel from characters for 10 points. If you need more, 5 points.

1. For 10 points, Settembrini, Dr. Behrens, Leo Naphta, and Dr. Krokowski

For 5 pts., Hans Castorp and Joachim Ziemssen
The Magic Mountain or Der Zauberberg by Thomas Mann
2. FTP, Diggory Venn and Damon Wildeve.

For 5 pts., Clym \& Thomasin Yeobright, and Eustacia Vye The Return Of The Native by Thomas Hardy
3. FTP, Teddy Bloat, Clive Mossmoon, Horst Achtfaden and Doctor Muffage.

For 5 pts., Roger Mexico and Tyrone Slothrop
Answer: Gravity's Rainbow by Thomas Pynchon
13. For the stated number of points, Identify the following term from the world of biochemistry.
(5) This six letter word, a synonym for phosphorylase , refers to a protein which attaches phosphate groups to target molecules. kinase
(10)-When a protein is phosphorylated by a kinase, one of these two amino acids are most often the recipients of the phosphate group. Name them for five points each. serine and threonine (15)-For Fifteen points, this amino acid is the only one besides serine and threonine to be able to be phosphorylated by means of a phosphoester bond.

## tyrosine

14. Name the six individuals have preceeded Kofi Annan as Secretary-General of the United Nations. You will receive 5 points for each correct answer.
Answers: Trygve Halvdan Lie, Dag Hammarskjold, U Thant, Kurt Waldheim, Javier Pérez de Cuellar, Boutros Boutros-Ghali (prompt on partial answers),
15. For ten points apiece, identify the following instrumental compositions written for or about children. (1) Composed originally in 1871 as a piano duet and later orchestrated by the composer, this Bizet suite includes movements called "The Swing", "The Top", "The Doll", "The Hobby Horse", "The Shuttle-cock", "Little Husband and Little Wife", and "The Ball". Jeux des Enfants or Children's Games Suite (2) Claude Debussy wrote this suite for his daughter, a young piano student. Its movements are "Doctor Gradus ad Parnassum" (a 'light-hearted' satire on Wagner), "Jimbo's Lullaby", "Serenade for the Dell", "The Show is Dancing", "The Little Shepherd", and "Golliwogg's Cake-walk" (burlesque of a finger-exercise).

## Children's Corner

(3) Subtitled "Variations and Fugure on a Theme of Purcell", it was composed specifically for a 1946 educational film, but has since become 'one of Benjamin Britten's most popular concert pieces' and is now generally performed without the spoken text.

The Young Person's Guide to the Orchestra.
16. Identify the following for the stated number of points.
(1) 5 pts.: Name the German philosopher, who, as a professor at Jena from 1801 to 1807, at Heidelberg from 1816 to 1818, and at Berlin from 1818 to his death in 1831, developed an idealist system based on the tension between thesis and antithesis, culminating in a "richer synthesis". Georg Wilhelm Friedrich Hegel
(2) 10 pts.: This first of Hegel's great works was published in 1807. It describes the progress of the human mind through various stages of spiritual ignorance, the lowest of which he identifies as "mere consciousness", through Geist, or "unconscious morality", and various imperfect religions, and ultimately to Christianity and "absolute knowledge".

Phänomenologie des Geistes or The Phenomenology of Spirit (3) 15 pts.: In this 1821 work, Hegel attempted to "reconcile morality and self-interest" by recommending the formation of an "organic society" in which individual action would be devoted to the good of the community, and visa versa, and in which all people would follow the laws upon recognizing them as rationally justified and universally beneficial.

Naturrecht und Staatswissenschaft im Grundrisse, or Grundlinien der Philosophie des Rechts, or The Philosophy of Right.
17. Identify the following twentieth-century American poets, from quotations for 10 points, and from further clues, for five.
(1a) "Drum on your drums, batter on your banjos, sob on the long cool winding saxophones. Go to it, O jazzmen"
(1b) Often considered the poet laureate of the proletarian Midwest, he often used elements of folklore and an extended, paragraph-length line in Chicago Poems, Smoke and Steel, and The People, Yes. He later wrote a two-volume biography of Abraham Lincoln.

Carl Sandburg
(2a) ". . .It is morning, Senlin says, I ascend from darkness/And depart on the winds of space for I know not where;/My watch is woulnd, a key is in my pocket,/And the sky is darkened as I descend the stair."
(2b) Heavily influenced by T.S. Eliot and by psychoanalysis, this versatile Georgian, creator of "Morning Song of Senlin" and "Preludes to Definition", was almost as successful as a short-story writer as he was as a poet. Characteristic stories include "Strange Moonlight" and "Silent Snow, Secret Snow".

Conrad Aiken
(3a) "One three centuries removed/From the scenes his fathers loved,/Spicy grove, cinnamon tree/What is Africa to me?"
(3b) In "Heritage", "Simon the Cyrenian Speaks", and the poems of Color, Copper Sun, and The Ballad of the Brown Girl, the Harlem Renaissance writer and adopted son of a minister 'relied on classical verse forms' to express racial themes. He published one novel, One Way to Heaven (1932).

Countee Cullen

## 18. 30-20-10 get this guy.

30 - In The Division of Labor in Society, he proposed that in complex contemporary society, order was based on organic solidarity, while in simpler societies, it was based on mechanical solidarity.
20 - In his work, Suicide, he divided different forms of suicide into four different classes, altruistic, anomic, egoistic, and fatalistic.
10 - In 1898, he founded the Année sociologique, the first social science journal in France. His works include: The Rule of Sociological Method, The Elementary Forms of the Religious Life, and Incest; the Nature and Origin of the Taboo.
19. From clues, identify these treaties or agreements important in the political development of the Balkans.

You'll receive ten points for each correct answer.
(1) After sufferring a crushing defeat at Zenta at the hands of the Holy League, the Ottomans agreed for the first time to negotiate and accept terms from the European powers. The resulting document, signed on January 26, 1699, in a village near Belgrade, transferred most of Hungary, Transylvania, Croatia, and Slovenia from the Muslim empire to Austria and the Peloponnese and Dalmatian coast to Venice and allowed Russia to establish a diplomatic mission in Constantinople.

Treaty of Carlowitz
(2) To end the Russo-Turkish War in 1878, the Ottoman empire agreed to recognize the independence of Bulgaria, Serbia, Montenegro, and Romania, and autonomy of Bosnia-Hercegovina. Britain and Austria-Hungary, while not directly involved in the peace negotiatiations, subsequently objected that the treaty shifted the regional balance of power too much in favor of Russia. Treaty of San Stephano (3) A few months after the the signing of the Treaty of San Stephano, at this so-called "Congress", the other powers compelled Russia to cancel some of the more objectionable provisions of the earlier treaty.

## Congress of Berlin

20. Answer the following questions about aquatic biomes for 10 points each.

This zone of rapid temperature change separates the uniformly warm upper layer of water from the uniformly cold lower layer.

Ans: Thermocline
This type of lake has a high nutrient content, which leads to a high phytoplankton activity level.
Ans: Eutrophic
This biome is found at the ocean bottom beneath the neritic and pelagic zones. It contains seafloor communities near magma vents populated by tube worms and arthropods. Ans: Benthos
21. The famous landscape painting Kindred Spirits (1849) shows two figures standing on a rocky ledge above a wooded gorge, known as Kaaterskill Clove, in New York State. Identify the following concerning Kindred Spirits, for the stated number of points.
(1) One of the two figures is actually a portrait American editor and poet, known primarily for his "Thanatopsis" and "To a Waterfowl". For five points, name him.

William Cullen Bryant
(2) The second figure, who is gesturing and talking to his friend William Cullen Bryant, is a portrait of an American painter who had just died in 1848. For ten points, name this English immigrant, the founder of the Hudson River school, whose works include "The Oxbow", "The Course of Empire", as well as many scenes of Kaaterskill Clove, near his home. Thomas Cole
(3) Name the American artist who memorialized Cole by painting Kindred Spirits. Asher Durand

## 22. 30-20-10, name the author.

30: He wrote a series of works chronicling the drunkenness and mental instabilities of two families in Les Rougon-Macquart.
20: In 1898, he spent 11 months in exile in England for sending a letter to the newspaper L'Aurore.
10: That letter to L'Aurore referred to the Dreyfus case and was titled J'Accuse.

## Ans: Emile Zola

23. Name the chemical law from a brief description for 15 points each.
(a) This law states that at low pressures, gas solubility is directly proportional to pressure. The concentration of gas in the solution equals a constant times the partial pressure of the gas.

Ans: Henry's Law
(b) This law expresses a relationship between the vapor pressure of a solvent and its concentration. The vapor pressure of the solvent is equal to the vapor pressure of pure solvent multiplied by the mole fraction of the solvent.

Ans: Raoult's Law
24. Identify the following novels, each of which was written by a Frenchman who would later receive the Nobel Prize in Literature. You will receive 10 points if you can name the novel from a list of characters, 5 points if you need further clues.
(10) Dr. Bernard Rieux, Tarrou, Brother Paneloux, Grand, Cottard, Rambert, the Prefect.
(5) Published in 1947 and set in contemporary Oran, Algeria, this allegorical novel attempts to show how people can overcome Nihilism and give meaning to their lives by 'banding together to help one another'. It preceded Albert Camus' prize by 10 years.

La Peste, or The Plague
(10) Olivier, George, and Vincent Molinier, Edouard, Bernhard Profitendieu, Laura Douviers, Compte de Passavant, Armand Vedel.
(5) The only full-length novel of 1947 Laureate André Gide, it traces the interrelated and interwoven adventures and relationships of several youths, each of whom has to overcome hostile or amoral impulses to achieve personal equilibrium and integrity. This 1925 work takes its name from the illegal activity in which George Molinier and his gang are involved. Les Faux-Monnayeurs, or The Counterfeiters, or The Coiners (10) Melchior, Jean Michel, and Louisa Krafft, Antoinette, Olivier, Grazia, and the title character.
(5) This epic chronicle of 'the artistic development' of a great composer, from early youth to death, can be read as a universal comment on the nature of genius, as an appeal for cultural and political harmony between France and Germany, or as a fictionalized biography of Ludwig van Beethoven. Published in 10 volumes between 1904 and 1912, it earned Romain Rolland the 1915 prize.

## Jean-Christophe.

25. For ten points each, name the figure from French history.
(10) This man was made minister of war in the Freycinet cabinet. He gained popularity by demanding the return of the spy Schnaebele who had been seized by the Germans. Later on in his life he fled to Belgium when the republican cabinet let it be known that he was going to be tried for treason. Two years after fleeing, he took his own life.
(10) It was through his intercessions that General Georges Boulanger was made minister of war. In 1906, "he attempted to pass his 17 point reform program, but the legislation was blocked".
(10) The Rivet Law of August 31, 1871 gave him the title President of the Republic. Five months earlier he had made the "Bordeaux Pact" with the National Assembly in which he "promised not to give any one political faction an undue advantage over the others".

Answers: General Georges BOULANGER, Georges CLEMENCEAU, Adolphe THIERS
26. Identify the cell organelle for 10 points each.

In these organelles, cells assemble proteins according to their genetic instructions. The free variety is suspended in cytosol, while the bound variety are attached to the endoplasmic reticulum.
Ans: Ribosomes
It consists of flattened membranous sacs, and each stack has a cis face and a trans face.
Ans: Golgi Apparatus
These organelles are bags of hydrolytic enzumes used to digest fats, polysaccharides, and nucleic acids. They are theorized to form by budding from the Golgi apparatus.
Ans: Lysosomes

