1. The first, formed by Massachusetts in 1764, was intended to encourage united opposition to Britain's stiffening of customs enforcement and prohibition of American paper money. The second notified other colonies of New York's actions in resisting the Stamp Act. In 1772, a new one was formed in Boston upon the announcement that Massachusetts' judges would be paid by the King rather than the colony. FTP, what were these organizations designed to aid communication among the American colonies?
       Answer: Committees of Correspondence

2. This English novelist turned to literature after he met Joseph Conrad on a voyage, writing his earliest works under the pseudonym John Sinjohn. His plays include Bit O' Love, Mob, and The Silver Box, but he is best known for a series of novels concerning a large upper-middle-class London family whom he wrote about in The White Monkey. FTP identify this winner of the 1932 Nobel Prize in Literature.
       Answer: John Galsworthy

3. This phenomenon was hinted at in 1900, when Moses Gomberg was forced to conclude that he had a single carbon atom with three rings attached, which he called triphenylmethyl. Since only three valences of the central carbon were used, the fourth was hanging loose–a so-called "free radical." The solution to the problem was proposed by Linus Pauling, and states that electron waves were smeared out over a relatively extended region. FTP, name this theory by which chemical bonds are simultaneously double and single.
       Answer: Resonance

4. Hector Berlioz composed his Harold in Italy for this man to play the viola solo, but he never did. His best known compositions include a violin concerto known as "The Bell" and 24 caprices for solo violin. FTP, name this man, who employed scordatura, double and triple stops, harmonics, and left-hand pizzicato to become the greatest violin virtuoso of the 19th century.
       Answer: Niccolo Paganini

5. In directing 1952's "Moulin Rouge", he used a color scheme based on Toulouse-Latrec's paintings and showed his ability at literary adaptation, directing 1951's "The Red Badge of Courage" and 1956's "Moby Dick". For 10 points, identify this vaudeville actor, champion boxer, painter, and actor whose other successful films include "Prizzi's Honor", "The Dead", and "The Treasure of the Sierra Madre".
       Answer: John Huston

6. It was born on April 30, 1948 in Bogota, but is now headquartered in Washington, D.C. Upholding the Rio Treaty of 1947, its first major action was to censure the Nicaraguan Anastasio Somoza for aiding an attempt to overthrow the Costa Rican government. The creation of the Alliance for Progress was its step to foster economic development. FTP, identify this successor body to the Pan-American Union.
       Answer: Organization of American States (prompt on "OAS")

7. If the external magnetic field is small, the correction to the energy as a result of this effect is proportional to the Bohr magneton, the Lande g-factor, and the external field. If the external magnetic field is large, then the effect is known as the Paschen-Back effect, and the energy correction depends on the fine-structure contribution. FTP, what is this effect, named after its Dutch discoverer?
       Answer: Zeeman effect

8. Adolph Weinman used this poet's wife Elsie as the model for the Mercury dime in 1916. His collections include The Auroras of Autumn, Parts of a World, Owl's Clover, and The Man With the Blue Guitar. FTP, who is this American poet of "Sunday Morning," "Hibiscus on the Sleeping Shores," and "The Emperor of Ice Cream"?
       Answer: Wallace Stevens

9. The ideal "Enlightened Despot", he instituted limited religious toleration, a single land tax, and a system of welfare. Attempts to make German the official language provoked a Magyar rebellion, and his policy also failed during the War of the Bavarian Succession. His brother Leopold II later revoked many of his reforms. FTP, name this son of Maria Theresa, who ruled the Holy Roman Empire from 1765 to 1790.
       Answer: Joseph II

10. In 1949, it became Canada's 10th province. Lying to the north of the French possessions of St. Pierre and Miquelon, its cities include Gander, St. Anthony, and Corner Brook, while some of its main geographical features include Churchill Falls, Goose Bay, and the Grand Banks fishing range. FTP, what is this province whose capital is St. John's and which includes Labrador?
       Answer: Newfoundland

11. He married a Diaghilev ballerina, Lydia Lopokova. He explored the logical relationships between calling something "highly probable" and calling it "a justifiable induction" in his 1931 Treatise of Probability. A member of the Bloomsbury group, he was encouraged by South African premiere Jan Smuts to write The Economic Consequences of the Peace. FTP, who is this economist most famous for the General Theory of Employment, Interest, and Money.

  Answer: John Maynard Keynes

12. This German studied medicine at Heidelberg before turning to chemistry, becoming a professor at Gottingen in 1836. He discovered calcium carbide, isolated beryllium and yttrium, and in 1828, synthesized urea from ammonium cyanate, becoming the first person to synthesize organic compounds from inorganic material. FTP, who was this founder of the science of organic chemistry?

  Answer: Friedrich Wohler

13. Reacting against persecutions and false messiahs in Poland, this movement was founded by Baal-Shem-Tov. It spread quickly, but was pronounced heretical by Talmudists in 1781. Emphasizing a return to traditional values, it rejects academic formalism and argues that purity of heart is more pleasing to God than learning. FTP, identify this Jewish sect often found in isolated U.S. communities.

  Answer: Hasidism

14. A whisk broom, symbolizing domestic care, hangs on a bedpost finial, which is a tiny statue of Saint Margaret, the patron saint of childbirth. Oranges lie on a chest to the left, and a chandelier with a single candle burning symbolizes the omnivoyant eye of God. Medallions surround a small mirror on the back wall, in which two persons can be seen in the doorway, in addition to the principal couple. FTP, this is a partial description of which 1434 double portait by Jan van Eyck?

  Answer: Giovanni Arnolfini and His Bride or The Arnolfini Wedding (accept equivalents)

15. He lectured at universities in Oxford and Paris, using as his textbook Peter Lombard's Sentences. In 1303, he was exiled from Paris for refusing to support Philip IV of France against Pope Boniface VIII. A supportor of the doctrine of the Immaculate Conception, he is known as "Doctor Subtilis." His writings include On the First Principle and Quodlibet Questions. FTP, name this Schoolman whose followers were known as the Dunces.

  Answer: John Duns Scotus

16. It was preceded by the election of Abraham Lincoln and by a declaration of President Buchanan to the effect that the federal government had no right to coerce a seceding state into submission. It restored the Missouri Compromise line of 36 degrees 30 minutes, and guaranteed that future constitutional amendments could not change the three-fifths clause of the Constitution. FTP, name this bill proposed by a Kentucky Whig, rejected in March of 1861.

  Answer: The Crittenden Compromise

17. Balthazar murders Andrea and then seeks the hand of Bel-Imperia, Andrea's lover, in marriage. She slights him for Horatio, so Balthazar murders him with the help of Lorenzo. Hieronimo, the father of Horatio, contrives a play in which the guilty parties suffer very real deaths. FTP, identify this 1587 Thomas Kyd play which influenced Shakespeare's Hamlet.

  Answer: The Spanish Tragedy

18. It happened in the month of Boedromion, and there was an eclipse of the moon eleven days before it. Plutarch says that the name of this battle means "the house of the camel." It is said that Parmenio looked out over the plain between the Niphates river and Gordyraean mountains and saw the whole plain agleam with the watch-fires of the Persians. FTP, name this battle of October 1, 331 B.C., in which Darius III lost to Alexander for the last time.

  Answer: Gaugamela or Arbela

19. Ian Gibbons showed that a protein called dyenin (die-uh-nin) found in these subcellular organelles can extract energy from ATP. When all the dyenin is extracted, the microtubule doublets are left armless, but reappear when the dyenin is restored. FTP, what are these organelles that exhibit a 9 plus 2 microtubule arrangement and are shorter and more numerous than flagella?

  Answer: cilia

20. The main character of this novel is an fat, unctuous swindler whose only talent is flattery. The novel follows him as he makes friends with the landowners Manilov, Sobakevich, Korobochka, and Plyushkin, who are unaware that he, Chichikov, has already been in trouble for shady deals. His plan is to pay these owners a small sum of money for their serfs, who have died since the last census. FTP, name this novel by Nikolay Gogol.

  Answer: Dead Souls

21. He wrote, "Under every stone lurks a politician" in his play "Thesmophoriazusae" (Thez moe four ee ah ZOUS eye), which attacked Euripides, though his most quoted line is surely the onomatopoetic "brek-ke-ke-kex, ko-ak, ko-ak." His favorite victim was the demagogue Cleon, whom he attacked in The Knights. FTP, name this playwright, the author of The Birds and The Clouds.
　　　　　Answer: Aristophanes

22. Only firing in a flat, straight line, this weapon was often used in conjuction with grappling hooks on ships. Known to the Greeks as a "Mangonel", this weapon resembled a giant crossbow. It required a great deal of force to fire and the bow often snapped, causing the weapon to be fired on its own crew. FTP, identify this seige engine which lent its name to the study of projectiles.
　　　　　Answer: ballista (do not accept "ballistic")

23. Born in Trinidad of Hindu parents, this novelist published The Mystic Masseur before making his name with A House for Mr. Biswas. A Bend in the River is a political satire set in Africa, and he won the Booker Prize for In a Free State, a collection of short stories. FTP, who is this man who explored his Indian heritage in works like An Area of Darkness and The Middle Passage?
　　　　　Answer: Vidiadhar Surajprasad Naipaul

1. Identify these "P" terms from earth science FTP each.
1. Usually of felsic composition, this is a form of volcanic glass so filled with holes from the escape of gas during quenching that is resembles a sponge.
>Answer: <u>pumice</u>
2. From the Hawaiian for "ropy," this is a basaltic lava flow with a glassy, smooth and ropy surface.
>Answer: <u>pahoehoe</u> (pa-ho-ee-ho-ee)
3. A source of borax, sodium carbonate, and other evaporate minerals, these are low parts of deserts with high ground around them and may contain permanent or temporary standing water.
>Answer: <u>playa</u>

2. Identify the years given clues from American history on a 10-5 basis.
1. 10 pts: The Bureau of Indian Affairs is created and Congress passes the Gag Resolution on the discussion of slavery.
5 pts: The Cherokee tribes embark on the "Trail of Tears", and Martin Van Buren is elected president.
>Answer: <u>1836</u>
2. 10 pts: The Texas Reparation Act, the Utah-New Mexico Act, and the Second Fugitive Slave Law are passed.
5 pts: The Clayton-Bulwer treaty is signed with Great Britain.
>Answer: <u>1850</u>
3. 10 pts: William Kemmler becomes the first person to be executed by electrocution.
5 pts: The last major conflict between Indians and U.S. troops occurs at Wounded Knee.
>Answer: <u>1890</u>

3. Identify the authors of the following works that sound like something you'd find in the adult section of your local video store; five if you need more works.
1. 10 pts: <u>Twenty-Six Men and a Girl</u>   5 pts: <u>Mother</u>
>Answer: Maksim <u>Gorky</u> or Aleksey Maksimovich <u>Peshkov</u>
2. 10 pts: <u>The Virgin and the Dynamo</u>   5 pts: <u>Democracy</u> and <u>Esther</u>
>Answer: <u>Henry</u> Brooks <u>Adams</u>
3. 10 pts: <u>More Pricks than Kicks</u>   5 pts: <u>Krapp's Last Tape</u> and <u>Molloy</u>
>Answer: Samuel <u>Beckett</u>

4. As Vishnu Jejjala once said, "CBI questions are trivial, insipid, and misleading." I would only add, "Yes, but so are Presocratic philosophers." Identify the following FTP each.
1. A flying arrow cannot move, a single seed makes no noise when it hits the ground though a bushel of seeds does, and Achilles cannot catch up with a turtle that is given a head start. All these are the misleading paradoxes of what student of Parmenides?
>Answer: <u>Zeno</u> of Elea
2. The notion that there is a single divine law of the universe, called the "logos," is attributed to this philosopher whose obscurity earned him the nickname, "the Dark One." He also is credited with the idea of constant flux.
>Answer: <u>Heraclitus</u>
3. Drawing on the process of felt-making that was a major industry in his native city of Miletus, this philosopher claimed that everything is made of air, which is compressed and rarefacted.
>Answer: <u>Anaximenes</u>

5. For the stated number of points, answer the following concerning light.
1. 5 pts: What is the term for the bending of a beam of light when it passes from one medium to another?
>Answer: <u>refraction</u>
2. 10 pts: If the angle of incidence of a light ray is greater than a critical angle, there is no refracted ray. What is the name of this phenomenon?
>Answer: <u>total internal reflection</u>
3. 15 pts: This is the term for the emission of light when certain crystals are crushed; for example, when one crunches on a Wintergreen Life-Saver.
>Answer: <u>triboluminescence</u>

6. Identify the following U.S. Secretaries of the Treasury FTP each.
1. Serving as Lincoln's first Secretary of the Treasury from 1861 to 1864, he created a national bank system.
>Answer: Salmon P. <u>Chase</u>
2. This man was Truman's first Secretary of the Treasury before he took another job in 1946.
>Answer: Fred M. <u>Vinson</u>
3. This man served as Secretary of the Treasury under Harding, Coolidge, and Hoover.
>Answer: Andrew <u>Mellon</u>

7. Given a character from mythology, name both his or her parents, 5 points for one, 15 points for both correct.
1. Prometheus   Answer: Iapetus and Clymene
2. Hel   Answer: Loki and Angurboda

8. FTP each, given works by members of a literary group or movement, name it.
1. Happiness, Saturnian Poems, Poemes antiques
          Answer: Parnassians
2. Sonnets pour Helene, Antiquities of Rome
          Answer: Pleiad
3. Eminent Victorians, A Room of One's Own, The Edwardians
          Answer: Bloomsbury Group

9. Identify the following orchestra conductors FTP each.
1. Considered the first modern virtuoso conductor, he married Liszt's daughter Cosima, who later married Wagner. He was a champion of Brahms.
          Answer: Hans von Bulow
2. He was music director of the New York Philharmonic from 1978 to 1991 and has been music director of the Israel Philharmonic since 1968, but he is better known for conducting the Three Tenors concerts.
          Answer: Zubin Mehta
3. The first Japanese conductor to become prominent in the West, he has conducted the Toronto Symphony, the San Francisco Symphony, and the Boston Symphony.
          Answer: Seiji Ozawa

10. Identify the following concerning the geography of Australia for the stated number of points.
1. 5 pts: The only state or territorial capital north of the Tropic of Capricorn.
          Answer: Darwin
2. 5 pts: The body of water separating Australia from New Zealand.
          Answer: Tasman Sea
3. 10 pts: The state or province which contains most of the Kimberley Plateau, the Gibson Desert, and Lake Argyle.
          Answer: Western Australia [not West Australia]
4. 10 pts: The island north of Darwin between the Timor and Arafura seas.
          Answer: Melville Island

11. Name the following E. M. Forster works FTP each.
1. This novel deals with the interactions between the materialistic Wilcoxes, the culturalistic Schlegels, and the poor clerk Leonard Bast.
          Answer: Howards End
2. The first published of Forster's novels, this novel is concerned with the effect of Italy's culture and atmosphere on Lilia Herriton, Gino Carelli, and Lilia's sister-in-law Harriet.
          Answer: Where Angels Fear to Tread
3. Notable for its depiction of life at Cambridge, its main character is Rickie Elliot, a lame orphan.
          Answer: The Longest Journey

12. Know thy Geek! Answer the following questions about the history of a certain computer language for the stated number of points.
1. 5 pts: What language developed at Bell Telephone Laboratories during the 1970's was an outgrowth of BCPL and B?
          Answer: C
2. 10 pts: Which Bell Labs employee developed C?
          Answer: Dennis M. Ritchie
3. 5 pts: Whom did Dennis Ritchie collaborate with on The C Programming Language, the 1978 definitive description of the C language?
          Answer: Brian W. Kernighan
4. 10 pts: Which man developed C++ in the early 1980s, an expansion of C that incorporates concepts like object oriented programming and ecapsulation?
          Answer: Bjarne Stroustrup

13. FTP each, identify the following South American politicians.
1. Taking power in a 1954 military coup, he ruled Paraguay for 35 years before being himself overthrown in a 1989 coup.
  Answer: Alfredo Stroessner
2. He won battles at Pichincha, Junin, and Ayacucho and served as president of the new state of Bolivia from 1825 to 1828.
  Answer: Antonio Jose de Sucre (do not accept Antonio Banderas)
3. The first freely elected Marxist leader in the Americas, he was either murdered or committed suicide during Augusto Pinochet's 1973 coup.
  Answer: Salvadore Allende Gossens

14. Identify the following Baltimore Orioles FTP each.
1. From 1955 to 1977 he hit 268 home runs and collected 2,848 hits. He is considered the greatest third baseman in Orioles history.
  Answer: Brooks Robinson
2. In the Orioles' first season in Baltimore, this pitcher went 3-21 and was traded to the Yankees in the off-season.
  Answer: Don Larsen
3. This man played second base for the Orioles from 1965 to 1972. He is better known as a manager, winning a World Series title with the Mets in 1986.
  Answer: Dave Johnson

15. FTP each, answer the following questions about the 1849 painting Kindred Spirits, which shows an American painter and a poet standing on a rocky ledge discussing the beauty of the Catskill Mountains.
1. First, who was the poet of works like "Inscription for the Entrance to a Wood," "The Yellow Violet," and "To a Waterfowl"?
  Answer: William Cullen Bryant
2. The painter portrayed had died in 1848 and had attempted to preserve images of America's pristine wilderness before it was lost forever. Who was this painter of works like The Oxbow and The Course of Empire?
  Answer: Thomas Cole
3. Jonathan Sturges asked which Hudson River School artist of The Beeches, In the Catskills, and Progress to paint the commemorative Kindred Spirits?
  Answer: Asher B. Durand

16. Name these kings of the monarchic period of Rome FTP each.
1. This second king of Rome instituted religious reforms, organizing priestly colleges.
  Answer: Numa Pompilius
2. The fourth king, he conquered neighboring Latin tribes and settled them on the Aventine Hill. He was preceded by Tullus Hostilius and followed by Tarquinius Priscus.
  Answer: Ancus Martius
3. The last king of Rome, he fled the city after his son Sextus outraged Lucretia. He was expelled by a revolt led by Junius Brutus.
  Answer: Tarquinius Superbus or Tarquin the Proud

17. Identify these Herman Melville works FTP each given a ship on which some of the action took place; five if you need another clue.
1. 10 pts: Rights of Man
5 pts: Characters in this novella include Captain Graveling, Claggart, and Captain Vere.
  Answer: Billy Budd, Fortopeman
2. 10 pts: San Dominick
5 pts: Characters include Captain Amaso Delano and Babo, the leader of an unsuccessful slave revolt.
  Answer: Benito Cereno
3. 10 pts: Fidele
5 pts: A satirical novel taking place on a Mississippi river boat on April Fool's day, the title character dupes men by capitilizing on false hopes and offering false pity.
  Answer: The Confidence-Man: His Masquerade

18. Answer the following about a famous statement from the field of biology. In 1868, a German naturalist wrote that "the development of the individual is a short and quick recapitulation of the development of the tribe to which the individual belongs, determined by the laws of inheritance and adaptation." This sentence is frequently paraphrased in a shorter form, using two peculiar Greek words. Answer the following, 10 each:
1. First, what Greek word, meaning "coming into being" is applied to "the development of the individual"?
   Answer: Ontogeny (ahn - TAH - jen - ee) or ontogenesis (AHN - toe - jen - ee - sis)
2. Second, what other Greek word, meaning "the birth of a class" is applied to "the development of the tribe to which the individual belongs"?
   Answer: Philogeny (fill - AH - jen - ee) or philogenesis (fill - oh - JEN - ee - sis)
3. What was the name of the German naturalist and author of Challenger Reports on deep-sea creatures who first originated this theory in his The History of Creation?
   Answer: Ernst Haeckel

19. Dave Goodman retains a number of prominent psychologists to diagnose his multifarious problems. Identify the following, 10 each:
1. Dave takes tests for impaired judgment and comprehension that were developed by this German psychologist, an early proponent of the Gestalt theory along with Wolfgang Kohler and Max Wertheimer.
   Answer: Kurt Koffka
2. Dave sees this German-American social psychologist, who tells him that he needs to concentrate on those needs that are uniquely human: relatedness, transcendance, rootedness, identify, and frame of orientation. He is the author of The Anatomy of Human Destructiveness and The Heart of Man.
   Answer: Erich Fromm
3. Finally, at the end of his rope, Dave goes to the author of Our Inner Conflicts and Neurosis and Human Growth. Name this woman who underwent Freudian analysis with Karl Abraham.
   Answer: Karen Horney

20. Identify the following battles from English history FTP each.
1. At this battle of April 16, 1746, Lord George Murray and Charles Edward Stuart were defeated by the duke of Cumberland.
   Answer: Culloden Moor
2. Simon de Montfort's army of 7,000 was trapped in a bend in the Avon River, but he nevertheless attempted a charge into Edward I's army of 20,000. Simon's army was annihilated in this battle of August 4, 1265.
   Answer: Evesham
3. King Harold defeated the Norwegian invaders Tostig and Harold Hardraade at this battle, just before William the Conqueror landed on the south coast of England.
   Answer: Stamford Bridge

21. Answer the following concerning King Philip II of Spain for the stated number of points.
1. 5 pts: He spent most of his time toiling in what famed Madrid palace, designed especially for him?
   Answer: La Escorial
2. Of his four wives, three were his cousins. They were Portuguese, English, French, and Austrian. FTP each, name any two of them.
   Answer: Maria of Portugal, Mary I of England, Elizabeth Valois, Anne of Austria
3. 5 pts: Name Philip's illegitimate half-brother, the naval hero of Lepanto.
   Answer: John of Austria (accept John the Bastard, etc. Do NOT accept John Edwards)

22. Identify the following gulfs from around the world FTP each.
1. The Chinese island of Hainan, the Chinese mainland, and Vietnam surround this gulf.
   Answer: Gulf of Tonkin
2. The city of Benghazi lies to the east of this Libyan gulf.
   Answer: Gulf of Sidra
3. The Valdes Peninsula, the lowest point in South America, is to the south of this Argentinian gulf.
   Answer: San Matias Gulf

Name the following Nobel Laureates in physics from their citation FTP each.
1. for his work on the equation of state for gases and liquids
   Answer: Johannes Diderik van der Waals
2. for his discovery of the positron
   Answer: Carl David Anderson
3. for the invention of the bubble chamber
   Answer: Donald Arthur Glaser