

Illinois Fullpack
Tossups

1. This effect has been used widely in physics to study the properties of nuclei and as an analytical tool in biology and chemistry. Its applications have been used to test Einstein's theory of relativity, and the same principle applies to the absorption of gamma rays. A type of spectroscopy based on this principal may be used to elucidate problems in nuclear physics, solid-state physics, and chemistry. The discovery of this effect was important enough to win its discoverer the 1961 Nobel Prize for physics. For ten points, name this effect which can be defined as, "the emission without recoil of a gamma-ray photon from a nucleus embedded in a solid."

Answer: Mossbauer Effect

2. Although its purpose was to prepare for war against the French by shoring up the relationship between Iroquois Indians and the colonies, it is better known for Benjamin Franklin's proposition that the colonies form a self-governing federation under his Plan of Union. FTP—what 1754 Congress took its name from a city in New York?

ANSWER: _ALBANY_ Congress

3. Industries such as computers, photographic films, and industrial chemicals fall under this market structure. This structure can be balanced or unbalanced, and is differentiated from other market structures in that the product is usually differentiated, entry is difficult, a firm has considerable influence over its price, and that the firm worries about the responses of its competition. For ten points, name this market structure which is most noticeable by its number of firms, which is usually greater than that of monopolistic competition but less than that of monopoly.

Answer: oligopoly

4. ^{His} play surrounds the lives of the Melody family, who own a low-class inn in New England. Connor, the patriarch of the family, is a veteran of the battle of Talavera and considers himself to be a gentleman, when in reality he is seen as nothing but a boor by the local townspeople. When his daughter Sera is insulted by a wealthy New Englander he attempts to defend his honor by challenging him to a duel, but in the end Connor is beaten up by police and he finally sees that he is not the gentleman he once thought he was. For ten points, name the creator of the "America" series, that includes "A Touch of the Poet" as well as his more well-known "The Iceman Cometh."

Answer: A Touch of the Poet Eugene O'Neill

5. Its diameter is about 75 thousand miles and its volume would enclose almost 800 earth-sized bodies. An internal rotation period of less than 11 hours accounts for its oblate shape and equatorial bulge. Its Great White Spot can be seen from earth every 30 years but Galileo was the first to notice its best-known feature. FTP—name this gaseous, ringed planet.

ANSWER: _SATURN_

6. The Art Institute of Chicago awarded this painting a prize at its 1930 exhibition, then bought it for \$300. The artist's 30-year-old sister, Nan, and his 62-year-old dentist, Dr. B. H. McKeeby, posed in front of a house in rural Iowa. A pitchfork is the defining prop of--FTP—what Grant Wood masterpiece?

ANSWER: _AMERICAN GOTHIC_

7. A prominent lawyer and district attorney in New York City from 1937-1941, he went on to serve as governor of New York from 1943 to 1955. His second try at running for President earned him a place in American political folklore when an early edition of the Chicago Daily Tribune printed the incorrect headline that he had defeated his opponent when in actuality he lost. FTP, name the dead Republican who inadvertently created a great photo op for Harry Truman.

Answer: Thomas Dewey

8. This philosopher was influenced by such men as Plato, Kant, and Goethe, and in turn influenced many prominent figures as well, including Wagner, Tolstoy, Proust and Mann. He was unhappy throughout life, in addition to being dark, distrustful, and misogynistic. He emphasized the active role of Will as the creative but covert and irrational force in human nature. However his work is often characterized as a systematic philosophical pessimism. For ten points, name this German philosopher whose views are expressed in his major work, "The World as Will and Ideas."

Answer: Arthur Schopenhauer

9. It consists of both a helical chain and a ring complex made with a porphyrin compound and iron. Its production requires vitamin B-12, folic acid and iron. Produced in the bone marrow and broken down by the spleen, it transports nitric oxide through the body. FTP—name this red-pigmented protein.

ANSWER: _HEMOGLOBIN_

10. In recent days the Nobel Prizes were awarded to two famous politicians and several relatively anonymous academics. There is more to awards than the Nobel though. Not wanting to be left out of the big award movement in 1924 The International Congress of Mathematicians decided they needed to be included too. FTP-Name the award that they created and a fictional mentor of Will Hunting was supposed to have won.

ANSWER: FIELDS Medal

11. The play revolves around a slow afternoon in an African bar where a white boy is studying his schoolwork and conversing with the two black workers there. They reminisce about times past when the white boy would hang about in the black men's quarters but their conversation is interrupted by a phone call which informs the boy that his father would be returning home from the hospital. His outrage towards his father is projected onto the two workers and by the end of the afternoon they only regard each other as boss and employees. For ten points, name this drama centered on the characters of Willie, Sam, and Hally and was written by Athol Fugard.

Answer: Master Harold and the Boys

12. The only military actions taken during his reign were to repel the Welsh and to assist Malcolm the Third of Scotland against MacBeth. The son of Ethelred The Unready and Emma, he succeeded his half-brother Hardecanute in 1042. With no heir, he promised the throne to William of Normandy, but recanted on his deathbed. Canonized in 1161--FTP--what English monarch had the change of heart that led to the Norman invasion?

ANSWER: _EDWARD_ the _CONFESSION_ (prompt on Edward the Third)

[Note: There was an Angevin king also named Edward the Third.]

13. In some mammals that are seasonal breeders this hormone inhibits the reproductive system and it also inhibits the human reproductive system prior to puberty. This hormone also seems to be released as a response to darkness, in a biological rhythm keyed to the day-night cycle. This finding has led some to suggest that the gland from which it is secreted is involved in establishing daily biorhythms. For ten points name this hormone which in humans is secreted by the pineal gland.

Answer: Melatonin

14. The population of these islands is less than 1,000 but they are known worldwide. The two main islands are St. George and St. Paul, and the group has a total area of 75 square kilometers. In 1957 the U.S., Canada, Japan, and the Soviet Union formed a commission to protect this islands most famous inhabitants and the results have been dramatic: the local population was 125,000 in 1911 and by the second half of the twentieth century the population had risen to nearly one and a half million. For ten points name this group of islands whose claim to fame is that they are the world's largest seal breeding ground and are named for the Russian sea captain who first visited them in 1786.

Answer: Pribilof Islands

15. Born and raised near Worcester [WOO-ster], England, he did much of his learning in his father's music store. His works "The Apostles", "The Kingdom" and "The Dream of Gerontius" represent the apex of the British oratorio. Rising to prominence in 1899 with "The Enigma Variations"--FTP--who composed the commencement staple, "Pomp and Circumstance"?

ANSWER: Edward _ELGAR_

16. He built his estate, Seawood, in Kennebunkport, Maine, but this writer was a Hoosier at heart. "The Gentleman From Indiana", his first novel, was published four years before his election to Indiana's General Assembly. A book of memoirs entitled "The World Does Not Move"; and the novels _Clarence_, "Monsieur Beaucaire", and "Alice Adams"; are all by--for 10 points--what author of "The Magnificent Ambersons"?

ANSWER: (Newton) Booth _TARKINGTON_

17. Statements in this computer language resemble English sentences: long and wordy, but easy to read, making it easy for programmers other than the author to make corrections or changes. It was designed in the 1960's by several computer manufacturers as well as the U.S. Department of Defense. For ten points, name this computer language invented in large part by Grace Hopper, geared towards business data processing and business applications.

Answer: COBOL (Common Business-Oriented Language)

18. This king, whose name translates to "ruler over heroes," put down revolts in Egypt and Babylon, where he razed the walls and plundered the city. He invaded Greece but was defeated at the Battle of Salamis in 480 B.C. His mother, Atossa, was daughter of Cyrus the Great. FTP--what Persian, son of Darius the First, ruled from 486 to 465?

ANSWER: _XERXES_ [ZURK-sees] the First

19. The president and CEO of Touchdown Products, a health-food company, he has his own beverage, Pro Flow 100% Natural Spring Water. Briefly a Denver Bronco before his 1988 retirement, he is fourth on the NFL's career rushing list with 13,259 yards. A 1976 Heisman Trophy winner at Pitt--for 10 points--name this longtime Dallas Cowboy.

ANSWER: Tony _DORSETT_

20. "I think I'm not very human, I didn't want to paint people posturing and grimacing. What I wanted to paint was sunlight on the side of a house;" this artist was quoted as saying once. A mood of melancholy pervades his works which have as a central theme the loneliness of the individual in both the cities and open spaces of America. FTP name this artist who expressed this sense of isolation in his masterpiece, the oft-parodied "Nighthawks."

ANSWER: Edward HOPPER

21. The boiling points and melting points of this class of organic molecules are higher than those of hydrocarbons and oxygen-containing organic compounds of similar size and shape. They are also fairly polar and the simple ones have a relatively strong dipole moment. Their ionization constants are usually around 10 to the negative fifth and many of them get their names from the source from which they were first derived, such as distilling ants or found in sour wine. For ten points name this class of organic molecules that can undergo ionization and esterification reactions and are determined by the central carbon being double bonded to an oxygen, bonded to an R group, and bonded to an OH group.

Answer: Carboxylic Acids

22. The son of Cronus and an Oceanid, he was wise and skilled in the arts, medicine, and music. He was a mentor to Heracles, Aesculapius, Jason, and Achilles. But during a battle he was struck with one of Heracles' poisoned arrows. However he was immortal so rather than dying he felt eternal pain. He asked Zeus for death and some accounts say he surrendered his immortality to Prometheus. He was placed among the stars where he is the constellation Sagittarius. For ten points name this mythological figure who was by far the most wise and noble of his race, the Centaurs.

Answer: Chiron

23. This psychologist was born in Oak Park, Illinois and earned a doctorate at Columbia University's Teacher's College in 1931. He then worked as director of the child guidance center in Rochester, New York and as a professor at Chicago University. The type of psychotherapy that he evolved attempts to elicit and resolve a person's problems by verbal means, but explicitly renounces any attempt to talk the subject into accepting any doctrinaire explanation for the problem. This practice led to the formation of open therapy sessions and encounter groups. For ten points name this pioneer who was the originator of client-centered therapy.

Answer: Carl Rogers

24. The play opens in front of Agamemnon's tent where he learns from a ghost that King Priam of Ilium has sent a messenger to Thrace with enough gold to assure his children's well being should Ilium fall. The King of Thrace kills the messenger, Polydorus and his body is dumped in the sea. Polydorus comes back and haunts the title character and the ghost of Achilles demands that the title character's daughter Polyxena be sacrificed. In the end Polyxena is indeed sacrificed but the title character wreaks revenge on the King of Thrace by slaughtering his children and blinding him. For ten points name this Greek drama, the first of the anti-war dramas by Euripides, which is named for the Trojan queen which the play surrounds.

Answer: Hecuba

25. One of his operas features this synopsis: Marie confesses to the gruff old Sulpice that she is in love with Tonio. The attraction is mutual, as Tonio has been searching the camp for her. When he is captured as a spy their true feelings for each other come out and Tonio asks Marie to marry him. He learns that to marry her he must be in the army so he enlists but Marie is taken away by the Marquise de Birkenfield. The army arrives at the Chateau where Marie is and the Marquise shows a surprising change of heart and allows the two to be wed. For ten points, name the composer of the 1839 "The Daughter of the Regiment" as well as "L'Elisir d'Amore."

Answer: ~~The Daughter of the Regiment~~ Gaetano Donizetti

Illinois Fullpack

Boni

1. Given the monograph, name the anthropologist.
A.) For five points: Coming of Age in Samoa
B.) For ten points: Argonauts of the Western Pacific
C.) For fifteen points: The Nuer

Answers: A.) Margaret Meade
B.) Bronislaw Malinowski
C.) Sir Edward Evans-Pritchard

2. Name these famous football backfields for the stated number of points.
A.) For five points: This Notre Dame backfield of the 1920's was immortalized by sportswriter Grantland Rice and consisted of Jim Crowley, Elmer Leyden, Don Miller, and Harry Stuhldreher.
B.) For ten points: This San Francisco 49ers backfield of the 1950's consisted of Hall of Famers John Henry Johnson, Hugh McElhenny, Joe Perry, and Y.A. Tittle but failed to make the NFL Championship Game.
C.) For fifteen points: This Southern Methodist University backfield of the 1980's was led by Eric Dickerson and Craig James.

Answers: A.) The Four Horsemen
B.) The Million Dollar Backfield
C.) The Pony Express

3. For ten points each, identify these artists of the Ashcan School:
A.) He was the founder and inspiration of "The Eight" which later became The Ashcan School. He was more influential as a teacher than an artist. His book "The Art Spirit" enjoyed great popularity with artists and art students.
B.) He was less concerned with social reform than with representing the life of the people as a colourful spectacle and he was heavily influenced by the Impressionists. His "Chez Mouquin", which hangs in the Chicago Art Institute, was inspired by Manet's "Un Bar aux Folies-Bergere."
C.) He was concerned with social reform as well as finding his most characteristic subjects among everyday lower-class New York life. He taught at the Art Student's League and painted "Wake of the Ferry."

Answers: A.) Robert Henri
B.) William James Glackens
C.) John Sloan

4. Name these seas that border parts of the former Soviet Union.
A.) For five points: This sea lies between Alaska and Siberia.
B.) For ten points: This sea lies west of the Kamchatka peninsula and the Kuril Islands, It is connected to the Sea of Japan by narrow straits.
C.) For fifteen points: This sea is icebound for most of the year and is a section of the Arctic Ocean north of Eastern Russia between the Taimyr peninsula and the New Siberian Islands.

Answers: A.) Bering Sea
B.) Sea of Okhotsk
C.) Laptev Sea

5. Given a Roman Province, give the modern day nation that includes it for ten points each.

- A.) Dacia
- B.) Cisalpine Gaul
- C.) Lusitania

Answers: A.) Romania
B.) Italy
C.) Portugal

6. Identify these conditions that could happen to you in Africa. You will receive fifteen points if you can name them from their scientific names, and five points if you can name them from a description.

A.) For fifteen: trypanosomiasis

For five: It is characterized by somnolence and it may be transmitted by the Tse-Tse fly or other arthropods.

B.) For fifteen: onchocerciasis

For five: Adult worms are encapsulated in subcutaneous connective tissues; they can cause serious damage if the larvae migrate to the eyes.

Answers: A.) (African) sleeping sickness
B.) river blindness

7. Identify the poet from lines for ten points each or from the work in which it is contained for five points each.

A.) For ten: "No Nightingale did ever chaunt, So sweetly to reposing bands Of travellers in some shady haunt, Among Arabian Sands: No sweeter voice was ever heard In spring-time from the Cuckoo-bird, Breaking the silence of the seas Among the farthest Hebrides."

For five: "The Solitary Reaper"

B.) For ten: "She dwells with Beauty Beauty that must die; And Joy, whose hand is ever at his lips Bidding adieu; and aching pleasure nigh, Turning to poison while the bee-mouth sips..."

For five: "Ode on Melancholy"

C.) For ten: "This is the way the world ends This is the way the world ends This is the way the world ends Not with a bang but a whimper."

For five: "The Hollow Men"

Answers: A.) William Wordsworth
B.) John Keats
C.) T.S. Eliot

8. Name these particle accelerators for the stated number of points:

A.) For five: In this device charged particles are fed into the center and are accelerated in an outward spiral path inside two hollow D-shaped conductors placed to form a hollow circle. A magnetic field is applied at right angles to the plane of the dees and an alternating potential difference is applied between them.

B.) For ten points: The charged particles in this device are accelerated in a straight line, either by a steady electric field or by means of radio frequency electric fields.

C.) For fifteen points: In this machine the particles are accelerated in closed orbits by radio frequency fields. Magnets are spaced round the orbit to bend the trajectory of the particles and separate focusing magnets are used to keep the particles in a narrow beam.

Answers: A.) cyclotron
B.) linear accelerator (accept "linac")
C.) synchrotron

9.) Identify the year from clues on a 30-20-10 basis.

A.) For 30: Eddie Cuthbert of the Philadelphia Keystones is credited with the first stolen base against the Brooklyn Atlantics and Maximilian is proclaimed Emperor of Mexico.

B.) For 20: West Virginia is admitted into the Union as a state and Henry Ford is born.

C.) For 10 points: The Battle of Gettysburg is fought.

Answer: 1863

10.) Identify the following things associated with Yggdrasil for the stated number of points.

A.) For five points: Its roots extended into Niflheim, Asgard, and what realm of giants?

B.) For five points: What serpent gnawed at its roots?

C.) For ten points: What squirrel scurried about Yggdrasil carrying strife?

D.) For ten points: Name the well whose water the Norns used to water Yggdrasil.

Answers: A.) Jotunheim

B.) Nidhogg

C.) Ratatosk

D.) Urtharbrunn

11.) For the stated number of points name these battles of the Great Northern War:

A.) For five points: This battle of 1709 was by far the most decisive of the war. In it nearly the entire Swedish army was wiped out and Charles the XII of Sweden was wounded.

B.) For ten points: The Swedish supply line was being encroached upon near Riga. Russian hit and run tactics near this village forced the Swedes to destroy their artillery and supplies and to cut their way out. Russian losses approached 10,000.

C.) For fifteen points: After Charles defeat at Poltava he regrouped an army powerful enough to attack Norway at this site. While inspecting the front lines Charles was shot and killed. This was the last battle of the Great Northern War.

Answers: A.) Poltava

B.) Liesna

C.) Fredrikshald

12.) Name these literary figures from Latin and South America from works for ten points each.

A.) One Hundred Years of Solitude

B.) "Desolacion", "Ternura", "Tala", and "Crickets and Frogs: A Fable".

C.) Strong Wind, The Green Pope, and The Eyes of the Interred

Answers: A.) Gabriel Garcia-Marquez

B.) Gabriella Mistral

C.) Miguel Angel Asturias

13.) Name the psychologist from clues on a 30-20-10 basis.

A.) For 30: He graduated in medicine from Harvard where he taught comparative anatomy. He changed his professional title from philosophy to psychology.

B.) For 20: He and Henri Bergson were responsible for the formulation of the concept of stream of consciousness, a term which he coined.

C.) For 10: His brother was a famous American novelist who wrote The American and Portrait of a Lady.

Answer: William James

14.) Given a leader (past or present) of an African nation, name the nation he led for ten points each.

- A.) Jean-Bedel Bokassa
- B.) Dawda Jawara
- C.) Muammar al-Qaddafi

Answers: A.) Central African Republic

- B.) The Gambia
- C.) Libya

15.) Identify the following things about Zoroastrianism for ten points apiece:

- A.) What was the name of the principle of light and goodness?
- B.) What was the name of the spirit of evil and darkness?
- C.) What was the sacred book of Zoroastrianism?

Answers: A.) Ahura Mazda (Ormuzd)

- B.) Ahriman (Angra Mainyu)
- C.) Avesta

16.) Name the work of literature written from characters for five points each with a five point bonus for all correct. All of the works are written by foreign authors.

- A.) Edmond Dantes
- B.) Julien Sorel
- C.) Cunegonde
- D.) Nora Helmer
- E.) Dr. Bernard Rieux

Answers: A.) The Count of Monte Cristo

- B.) The Red and the Black
- C.) Candide
- D.) "A Doll's House"
- E.) The Plague

17.) Identify these things related to the human heart for the stated number of points.

- A.) For five points: Name the term that is given to an abnormal heartbeat.
- B.) For five points: Name the term that is defined as "rapid and uncoordinated beating of chambers of the heart."
- C.) For ten points: Name the term that designates a condition where insufficient amount of blood and oxygen reaching the tissues.
- D.) For ten points: Name the term that is given to a rapid heartbeat.

Answers: A.) Arrhythmia

- B.) Fibrillation
- C.) Ischemia
- D.) Tachycardia

18.) For ten points each name these geographic features of Venezuela.

- A.) This lake in Venezuela is the largest on the continent. A city of the same name has approximately 1.3 million residents and is the second largest city in Venezuela.
- B.) This river, discovered in 1498 by Columbus, flows 1,500 miles partly along the Colombia-Venezuela border before emptying into the Atlantic Ocean.
- C.) This is the name for the plains that extend from the mountains to the Orinoco River.

Answers: A.) Lake Maracaibo

- B.) Orinoco
- C.) llanos

19.) Identify these Verdi operas from characters for ten points each.

A.) Sparaficule, Giovanna, Gilda, and the title hunchback Jester.

B.) Manrico, Luna, Leonora, Ferrando

C.) Alvaro, Leonora, Carlo

Answers: A.) Rigoletto

B.) Il Traviatore (accept The Troubadour from idiots)

C.) La Forza del Destino (The Force of Destiny)

20.) Identify the following about the play "Strange Interlude."

A.) For five points: Name the playwright of "Strange Interlude."

B.) For ten points: Who is the central female figure of the novel, the daughter of Henry Leeds, who marries Sam Evans?

C.) For fifteen points: Name the doctor, a friend of Nina and Sam, who has an affair with Nina.

Answers: A.) Eugene O'Neill

B.) Nina Leeds (later Nina Evans)

C.) Ned Darrell

21.) Name these terms from chemistry for the stated number of points:

A.) For five points: This is the term for a molecule that is not superimposable on its mirror image.

B.) For ten points: This is the term for stereoisomers that are related as an object and its nonsuperimposable mirror image.

C.) For fifteen points: This is the name for an achiral molecule that has stereogenic centers. The most common kind of this molecule is one with two stereogenic centers and a plane of symmetry.

Answers: A.) chiral

B.) enantiomers

C.) meso stereoisomers

22. For the stated number of points identify these slave insurrections.

A.) This 1831 slave revolt in Virginia left fifty-five dead whites; as a result of this more than 40 slaves were executed including its leader.

B.) This 1822 slave revolt in Charleston was thwarted at the last minute by informants and 37 slaves were executed. Another 30 slaves were deported.

C.) This attempted slave insurrection of 1800 in Virginia was also stopped at the last minute and its leader was executed.

D.) In 1739, this rebellion involved a group of twenty Angolans who sacked a South Carolina armory. It was the largest slave rebellion of the colonial period. They armed themselves and marched towards Florida, and their group grew to nearly one hundred. After sacking several planters' homes they were overtaken in a field by a militia and destroyed.

Answers: A.) Nat Turner's Rebellion

B.) Denmark Vesey's Rebellion

C.) Gabriel Prosser's Rebellion

D.) Stono Rebellion

23.) Name these recent baseball player-managers for the stated number of points.

A.) For five points: He was major league baseball's last player-manager, playing first base and managing the Reds from 1984 to 1986, during which time he broke Ty Cobb's all-time hits record.

B.) For ten points: This man, a designated hitter and manager for the Indians in 1975 and 1976, was also major league baseball's first black manager.

C.) For fifteen points: This man was a shortstop and manager for the White Sox in 1979 but resigned as a manager and retired as a player after only 110 games. He was also the last American League player-manager.

Answers: A.) Pete Rose

B.) Frank Robinson

C.) Don Kessinger

24.): Given a high-quality beer, name the brewery that produces it, ten points each.

1: Keystone

A: Coors

2: Milwaukee's Best

A: Miller

3: Natural Light

A: Anheuser-Busch

Q: Given songs from a rock album, name the album for ten points each. If you need the name of the rock band, you get five points.

10: In My Time of Dying, Custard Pie, Houses of the Holy

5: Led Zeppelin

A: Physical Graffiti

10: The Changeling, Love Her Madly, Riders on the Storm

5: The Doors

A: L.A. Woman

10: Shine On You Crazy Diamond, Have A Cigar, Welcome To Machine

5: Pink Floyd

A: Wish You Were Here

Q: Name these films featuring drill instructor turned actor R. Lee Ermey for the stated number of points.

5: In this 1987 Stanley Kubrick film, Ermey gave a Golden Globe-nominated performance as Gunnery Sergeant Hartman, a hilariously profane drill instructor.

A: Full Metal Jacket

10: In this 1997 film, directed by Hoop Dreams director Steve James, Ermey played Bill Bowerman, a track coach at the University of Oregon in the 1960's and '70's who developed the Nike tennis shoe.

A: Prefontaine

15: In this 1996 box-office flop starring Michael J. Fox as a psychic private detective, Ermey played a ghost with similar characteristics to his character from Full Metal Jacket.

A: The Frighteners