

1. Science - Physics Chemistry

TOSSUP It states that when each of two systems is in equilibrium with a third, the first two systems must be in equilibrium with each other. The shared property of equilibrium is their temperature. For 10 points -- name this most fundamental law of thermodynamics.

Answer: zeroth law of thermodynamics

BONUS Name these thermodynamic laws for 10 points each

A. Discovered in 1840, it states that the heat absorbed or evolved in any chemical reaction is fixed and independent of the reaction path or the number of steps in the reaction.

Answer: Hess's law of heat summation

B. Developed by Rudolf Clausius, it posits that in the end that every process that occurs in nature is irreversible and unidirectional, with that direction being dictated by an overall increase in entropy.

Answer: second law of thermodynamics

C. It says when a system undergoes a process, the sum of all the energy transferred across the system boundary, either as work or heat, equals the net change in the system's energy.

Answer: first law of thermodynamics OR law of the conservation of energy

2. History US

TOSSUP This plan offered six proposed amendments to the Constitution, Two provisions of which are: Slavery cannot be abolished where it already exists, and Slavery can be introduced into territories South of 36 degrees 30 minutes. For 10 points -- name the last-minute plan that failed to prevent to United States Civil War.

Answer: Crittenden Compromise

BONUS Name these things about the nuclear navy for 10 points each:

A. The father of the nuclear navy.

Answer: Hyman Rickover

B. The first Nuclear Powered Submarine.

Answer: Nautilus

C. The first Nuclear Powered Merchant Ship.

Answer: Savannah

3. Geography

TOSSUP The city was first mentioned in 1147, and now has 8.6 million residents. All federal institutions except for heraldry are now in this city, which was the only one of Russia's 89 regions to show a budget surplus last year. For 10 points -- name this city, Russia's financial and political capital

Answer: Moscow

BONUS State capitals have moved over time or changed names. What states formerly had capitals in (10 points each):

A. Ft. Nassau, Beverwyck, and Ft. Orange

Answer: New York

B. Augusta and Marthasville

Answer: Georgia

B. Providence, Anne Arundel Town, and St. Mary's

Answer: Maryland

4. Religion/Mythology/Philosophy

TOSSUP This Aristotle work's treatment of substance, causality, the nature of being, and the existence of God fixed the philosophical enquiry. The Scholastics called this subject "transphysical science". For 10 points -- name this "First Philosophy" from the Greek for After the Physics.

Answer: Metaphysics

BONUS Name these things from Plato's Universe for 10 points each:

A. In this text Utopia is presented, from which the Catholic ideas of Heaven, Hell, and Purgatory derive.

Answer: The Republic

B. This work gives us the Cosmology of Scholasticism and the lost island of Atlantis.

Answer: Timaeus

C. In this dialogue Plato denounces morality as an invention of the weak to neutralize the strength of the strong.

Answer: Gorgias

5. History Europe

TOSSUP Ahmed Bey Zogu served as this nation's Minister of the Interior off and on between 1920 and 1922, he then became Prime Minister until 1924. In December of that year he staged a coup with Yugoslavian assistance and was elected President, and soon formed an alliance with Italy which permitted them easy access to the Balkans. Deposed by Mussolini in favor of Victor Emmanuel III -- for 10 points -- name the country that was ruled by King Zog I until 1939.

Answer: Albania

BONUS Prior to World War I, two alliance systems were established in Europe, the Triple Alliance and the Triple Entente for 5 points per answer name the countries in.

A. The Triple Entente

Answer: France, Great Britain, Russia

B. The Triple Alliance

Answer: Germany, Austria-Hungary, Italy

6. Literature US

TOSSUP Born in 1884 in Manhattan ... Kansas that is, he wrote humorous stories about colorful Broadway and Underworld characters. For 10 points -- name the author of *Money From Home*, *Blue Plate Special*, and *Guys and Dolls*?

Answer: Damon Runyon

BONUS Answer these questions about one of America's best known authors for 10 points each:

A. Who penned the posthumously published *The Garden of Eden*?

Answer: Ernest Hemingway

B. What Hemingway character appears in the Short Story "The Killers", but is most famous as being the central character in most of the stories of *In Our Time*.

Answer: Nick Adams

C. What story is about three days in the life of Robert Jordan, a bomb expert guerilla in the Spanish Civil War?

Answer: For Whom the Bell Tolls

7. Art/Architecture/Photography

TOSSUP The Elgin Marbles, those famed inspirations for Keats, are of course located in the British Museum. They were however sculpted for the Parthenon. For 10 points, name their Athenian sculptor.

Answer: Phidias

BONUS 30-20-10 Identify this architect:

- A. (30) This architect designed the generic Usonian House and the unbuilt Broadacre City
- B. (20) He designed the Robie House and the Johnson Wax Building
- C. (10) He designed the house Falling Waters and the Guggenheim Museum

Answer: Frank Lloyd Wright

8. Literature English Language

TOSSUP Originally a company known as Hunsdon's Men, they took their common name when Hunsdon was promoted in 1585. After the accession of James I, they became known as the King's Men. They played in the Richard Burbage's Blackfriars monastery and Globe Theatre. For 10 points -- what troupe performed works by such playwrights as Beaumont, Fletcher, Dekker, Jonson, and Shakespeare.

Answer: Lord Chamberlain's Men

BONUS 30-20-10 Name this group

- A. (30) It was later known successively as Nottingham's Men, Prince Henry's Men, and the Elector Palatinate's (Palsgrave's) Men.
- B. (20) Their chief actor was Edward Alleyn; their manager until 1616 was Philip Henslowe.
- C. (10) This company was closely associated with Christopher Marlowe and George Chapman. Originally known as Lord Howard's Men, after their patron, they took their most famous name when Lord Howard was promoted to head the British navy.

Answer: Lord Admiral's men (accept Lord Howard's Men on 30 or 20 point clue)

9. Music/Dance Film/Stage

TOSSUP Born Sept. 5, 1902 in Wahoo Nebraska, he served during the First World War in France, and in 1924 sold some scripts to Warner Brothers. One of his first Productions was "The Jazz Singer". In 1933 he left to form Twentieth Century Pictures. For 10 points -- name this executive Producer and head of Fox Studio for many years.

Answer: Darryl Francis Zanuck

BONUS Identify the following bands from their original membership:

A. John Entwistle, Keith Moon, Roger Daltrey, and Peter Townshend

Answer: The Who

B. Holly Michelle Gilliam, Dennis Doherty, John Phillips, and Cass Elliot

Answer: Mamas and Papas

C. Peter Buck, Michael Stipe, Mike Mills and Bill Berry

Answer: REM

10. Science - Biology/Anthropology/Paleontology

TOSSUP Azalea, Dieffenbachia, Poinsettia, Iris, Wisteria, English Yew, Caladium, Jerusalem Cherry, Lily of the Valley, the Holly, and the Rhododendrum are -- for 10 points -- all dangerous for what reason?

Answer They are poisonous to humans

BONUS Identify these biological process for 10 points each:

A. The oxidation process in which O(2) is the terminal electron acceptor.

Answer: Respiration

B. This process converts of nitrogen gas to ammonia by specialized bacteria.

Answer: nitrogen fixation (accept fixing)

C. This is the collective name for anabolism and catabolism called, from the Greek for changing.

Answer: metabolism

11. Literature Foreign

TOSSUP In 1828 he went to Saint Petersburg, where he became known in literary circles, publishing a volume of short stories *Evenings on a Farm Near Dikanka* (1831). While in Rome, he worked on a novel first published in English under the alternative title *Chichikov's Journey*. Another short story collection, *Mirgorod* (1835), contained "Taras Bulba," which was expanded in 1842 into a full-length novel. In 1836, *The Inspector General* appeared. For 10 points -- name the author who penned *Dead Souls*?

Answer: Nikolay Vasilyevich Gogol

BONUS Name these Russian novels (give English titles) for 10 points each:

A. It features Pierre Bezukhov the Bolkonskys and the Rostovs.

Answer: War and Peace

B. It features the student Raskolnikov, the prostitute, Sonia; and the detective Porfiry,

Answer: Crime and Punishment

C. It features the student Arkady and his parent Nikolai, friend Bazarov and brother Pavel.

Answer: Fathers and Sons

12. Economics/Business/Government/Political Science

TOSSUP In response to a 1963 SEC study characterizing the over-the-counter securities market as fragmented the National Association of Securities Dealers began this. In 1971 it saw its first trades on its new electronic market for what had been "over-the-counter" securities. For 10 points -- name this group that in 1998 merged with the American Stock Exchange.

Answer: NASDAQ, National Association of Securities Dealers Automated Quotation

BONUS The stock market has good days and bad. Name the years associated with these bad days for 10 points each:

A. Black Monday - October 19

Answer: 1987

B. Black Tuesday October 29, following Black Thursday October 24

Answer: 1929

C. Black Friday September 24

Answer: 1869

13. Science - Geology/Astronomy/Meteorology/Archeology

TOSSUP Ranging in size from boulders to sand, it is unstratified when dropped by the glacier and shows no sorting or bedding. It is an accumulation of till carried or deposited by a glacier. For 10 points -- name this debris categorized into ground, terminal, lateral, medial, and recessional.

Answer: moraine

BONUS Given a description, name the moraine for 10 points each:

A. . It may appear as a band of craggy earth with knobs and kettles. It is a ridgelike aggregation of glacial detritus advanced by the front of the glacier and deposited at the outermost edge of any given ice advance

Answer: terminal, or end, moraine

B. It consists of debris derived by erosion and avalanche from the valley wall onto the edge of a glacier and ultimately deposited as an elongate crest when the glacier retreats.

Answer: lateral moraine

C. It is deposited as a ridge, roughly parallel to the direction of ice movement.

Answer: medial moraine

14. Psychology/Sociology/Linguistics

TOSSUP The name is the same, a Canadian lawn products company; an organization which provides medicinal marijuana; and an international organization founded by Mikhail Gorbachev in 1993 building on the 1992 Earth Summit in Rio de Janeiro and Agenda 21. For 10 points -- give the colorful name of this environmental organization that hopes to cultivate harmonious relationships between humans and the environment.

Answer: Green Cross

BONUS As academic competitors you may be smart and quick on the buzz, but how much do you know about theories of intelligence and development, for 10 points each:

A. This Harvard psychologist has developed the Theory of Multiple Intelligence, with seven different categories of intelligence linguistic, logical-mathematical, spatial, musical, kinesthetic, inter-personal, intra-personal

Answer Howard Gardner

B. This Swiss psychologist has developed stages of human development, including sensorimotor, Pre-operational, concrete operational and formal

Answer: Jean Piaget

C. This man's Taxonomy divides cognition into Knowledge, Comprehension, Application, Analysis, Synthesis, Evaluation

Answer: Benjamin Bloom

15. Math - Computer Science Engineering Technology

TOSSUP Its name comes either from its inventor, an industrial designer working for Eastman Kodak, or from the pixie characters created by Canadian illustrator Palmer Cox to emphasize its diminutive size. Made of jute board and wood, with a two element lens, it cost about one dollar and used film for 15 cents a roll. For 10 points -- name this first mass market camera which sold 250,000 units its first year in 1899 and stayed on the market for 80 years.

Answer The Brownie.

BONUS Name these things about photography for 10 points each

A. In this dark room, objects from outside were projected on the opposite wall through a lens in one wall.

Answer: camera obscura

B. Niepce devised this method wherein he oiled an engraving to make it transparent, then placed it on a plate coated with a light-sensitive solution and exposed the setup to sunlight.

Answer: Heliography

C. In this process, latent images form on a plate of iodized silver and are developed or made visible by exposure to mercury gas.

Answer: daguerreotype.

16. Sports Popular Culture

TOSSUP Tropicale, Holiday, Jubilee, Celebration, Fantasy, Sensation, Fascination, Imagination, Inspiration, Destiny, Elation, Paradise, Triumph, and Victory. Not included is the good boat Exstasy which recently caught fire. So are the ships in this firm's fleet. For 10 points -- name this cruise ship company that Kathy Lee may now have more time to sing for since she announced her departure from Regis.

Answer: Carnival Cruise Lines

BONUS Kathie Lee Epstein Gifford, married Frank Gifford. Frank Gifford played football. Answer these questions inspired by Mr. Gifford.

A. In the "Greatest Game Ever Played," Frank Gifford played for this team, in their loss to the Baltimore Colts 23 - 17 on Dec. 28, 1958

Answer: New York Giants

B. Frank Gifford entered the Pro Football Hall of Fame in 1977. It was founded in 1963. Name any two inductees in that year for 5 points each.

Answer Sammy Baugh, Bert Bell, Joe Carr, Earl (Dutch) Clark, Red Grange, George Halas, Mel Hein, Wilbur (Pete) Henry, Cal Hubbard, Don Hutson, Earl (Curly) Lambeau, Tim Mara, George Preston Marshall, Johnny (Blood) McNally, Bronko Nagurski, Ernie Nevers, Jim Thorpe.

C. Frank Gifford was drafted in 1952 in the first round by the Giants. What school did he play for.

Answer: University of Southern California

17. History World /Ancient

TOSSUP Controlling the area from north of the Yellow River to south of the Yangtze, this dynasty was noted for its feudalistic political organization, but nevertheless was the longest reigning dynasty in Chinese History. For 10 points -- name the dynasty reigning from 1125 until 255 BCE.

Answer: Chou Dynasty (also pronounced/spelled Zhou)

BONUS Answer these questions about Chinese dynasties for 10 points each:

A. Established by the Manchus under Emperor Ch'ien Lung, this last dynasty established a "dyarchy" in which there was one Manchu and one Chinese in every post. During thier reign, they expanded Chinese influence through Mongolia, Tibet, and Nepal.

Answer: Ch'ing Dynasty (also pronounced/spelled Qing)

B. This boy emperor was the last in the Ch'ing Dynasty

Answer: Hsüan-t'ung (better known as Henry P'u-i) (Pu Yi)

C. For five points per answer, name the start and end years of the Ch'ing Dynasty, within 5 years.

Answer: Start: 1644 (accept 1639 - 1649), End 1911/12 (accept 1906 - 1917)

18. Miscellaneous 1

TOSSUP Invented in about 1000 BCE, they didn't really catch on until the 14th century. They again regained popularity in 1958, when Americans bought 20,000,000 of -- for 10 points -- what these devices, named for a Hawaiian dance?

Answer Hula Hoops

BONUS Name these "Rocky's" in history.

A.This film starred Susan Sarandon, Barry Bostwick, and Tim Curry, and was about a transsexual, transvestite from Transylvania.

Answer: Rocky Horror Picture Show

B. He was the World Heavyweight Champion from 1952- 1956.

Answer: Rocky Marciano

C. This bad situation comedy once on Superstation WTBS took its name from a flavor of Baskin Robbins ice cream.

Answer: Rocky Road

19. Miscellaneous 2

TOSSUP The January 1903 issue of McClure's Magazine included Ray Stannard Baker's "The Right to Work", an installment of Ida Tarbell's "History of Standard Oil", and Lincoln Steffans "The Shame of Minneapolis". These authors left in 1906 to found "American Magazine". For 10 points -- of what movement were those two publications leading examples?

Answer: Muckraking (accept Muckrakers)

BONUS What organizations give out the following Journalism Awards for 10 points each:

A. Pulitzer Prizes

Answer: Columbia University School of Journalism

B. The George Foster Peabody Awards, given to television and radio programs of the highest merit

Answer: University of Georgia's Henry W. Grady College of Journalism and Mass Communication

C. The Hugh M Hefner First Amendment Award

Answer: Playboy Foundation

20. History Recent

TOSSUP A former ambassador to India and to the United Nations, he served all Presidents between Kennedy and Ford. The author of 18 books, his 1965's *The Negro Family* emphasized the connection between absent fathers and welfare. For 10 points name this recently retired Senator from New York, who has been replaced by Hilary Rodham Clinton

Answer: Daniel Patrick Moynihan

BONUS Name these individuals elected Senator in the November elections given the state they serve for 10 points each

A. Washington

Answer: Maria Cantwell

B. Connecticut

Answer: Joseph Lieberman

C. California

Answer: Diane Feinstein

Emergency Tossup 12

This 7th-century belief held that Christ has two distinct natures, divine and human, manifested in only one will and activity. The doctrine was first promulgated about 624 by Byzantine emperor Heraclius I, in an attempt to bring back into the church thousands of followers of Monophysitism who had been excommunicated for heresy for claiming that Christ had only one nature. Still practiced by Lebanese Maronites -- for 10 points -- name this heretical belief which remained controversial until the third Council of Constantinople condemned it in 680.

Answer: Monotheletism

Appalled by the suffering and misery of the thousands of boys without a strong male role model who came through Children's court, Ernest Coulter, started this organization in New York. Simultaneously, Irvin Westheimer from Cincinnati witnessed a young boy and his dog scavenging through trashcans for food, and became his mentor. So began -- for 10 points -- what organization whose female branch was begun by New York's Ladies of Charity.

Answer: Big Brothers (accept Big Brothers/Big Sisters)

Abencerrages, Amboyna, Armagnocs, Armenian, Barrmerides, Bulgarian, Cawnpore, Chastisement, Dragonnades, Farquaharson's, Fusillades, Glencoe, Jaffa, Lebanon, Magdeburg, Manchester, Mountain Meadow, Noyades, Privas, St Bartholomew, St Brice, Scullaboyme, September, Sicilian Vespers, Sinope, Spanish Fury, Tenth of August, Ulster, Valtelline, Vassy, and Veronese are all instances of -- for 10 points -- what event perhaps most famous for its Boston and St. Valentine's Day occurrences?

Answer: Massacres

Emergency Bonus 12

BONUS Through what four Latin American countries does the Tropic of Capricorn traverse, 5 points each, 10 for all four.

Answer: Chile, Argentina, Paraguay, Brazil

BONUS Greek Literature Grab Bag Answer these questions about Greek plays, 10 points each:

A. Who wrote the 425 BC Satyr play "*The Cyclops*?

Answer: Euripedes

B. In Euripides' "*Medea*", whose daughter does Jason arrange to marry?

Answer: Creon King of Corinth

C. Admetus, with the aid of Apollo, cajoles the Fates into postponing their sentence if someone dies in his place. That someone is his wife, the title character of what 438 BC Euripides play?

Answer: Alcestis

BONUS Who wrote the following works of economic criticism, for 10 points each:

A. *Progress and Poverty*

Answer: Henry George

B. *Poverty and Progress*

Answer: Stephen Thernstrom

C. *Wealth and Poverty*

Answer: George Gilder