

## Round 7 - Tossups

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1. Originally known as wolfram, it is a steel-gray to tin-white metal. It has the highest melting point and the lowest vapor pressure of all the metals, and at temperatures of 1650( has the highest tensile strength of any of them. It was a main component of TV tubes, and is used today in heating elements, glass-to-metal seals, and as the filament in light bulbs. FTP, identify this element number 74 on the periodic table symbolized by a W.

Answer: tungsten

2. He twice took trips to the Iberian peninsula to seek a wife for his patron, Philip the Good, duke of Burgundy. He was influenced early in his career by the panel paintings of Robert Campin, a Tournai burgher, and several of his paintings include his motto "Als ich chan" [alse eek cahn] or "As best I can". For ten points, identify this Flemish painter of "Portrait of a Young Man" and "The Arnolfini Marriage."

Answer: Jan van Eyck

3. It forbade the importation of foreign rum; put a modest duty on molasses from all sources and levied duties on wines, silks, coffee and a number of other luxury items. The hope was that lowering the duty on molasses would reduce the temptation to smuggle it from the Dutch and French West Indies for processing in the rum distilleries of New England. What it led to was the need for the Townsend Acts in 1767. FTP, identify this royal decree of 1764, which superseded the Molasses Act of 1733.

Answer: Sugar Act of 1764 (Don't prompt on anything - it stood on its own)

4. She is usually depicted as white or ash-colored, with a blue neck, his hair arranged in a coil of matted locks and adorned with the crescent moon and the Ganges. He has three eyes, the third eye bestowing inward vision but capable of burning destruction when focused outward. He wears a garland of skulls and a serpent around his neck and carries a deerskin, a trident, a small hand drum, or a club with a skull at the end. FTP, identify this deity, Sanskrit for auspicious one, the destroyer and the restorer, the great ascetic and the symbol of sensuality.

Answer: Shiva

5. Jawless fishes, lungfishes, and sharklike fishes first appear. Large tracts of ferns gave rise to the first forests. North America and Europe collided during the first part of the period, and later the Acadian mountain building episode helped create the Appalachian Mountains. The period takes its name from the county in which rocks from this period were first recognized, a feat accomplished in 1839. FTP, identify this fourth period of the Paleozoic era, following the Silurian and preceding the Carboniferous.

Answer: Devonian

6. He went to Washington as a member of Coxey's Army in 1893, and became a militant socialist the next year. He spent a year at Cal-Berkeley, but decided to see the world instead, adventures chronicled in autobiographical novels such as *The Road*, *Martin Eden*, and *John Barleycorn*, and an account of his South Pacific adventures in *The Cruise of the Snark*. FTP, identify this American author, whose days in the Klondike inspired *The Call of the Wild* and *White Fang*.

Answer: Jack London or John Griffith Chaney

7. It was the last musical work conducted by Leonard Bernstein before his death in 1990. His Tanglewood audience waited till the end before giving a standing ovation, unlike the war veterans present at its premiere in Vienna in 1813, who demanded that conductor Ludwig van Beethoven give an encore after the second movement. This composition, famed for its allegretto, was, FTP, what unnamed symphony of Beethoven, the next one after his "Pastoral" symphony?

Answer: Beethoven's Seventh Symphony, in A major, opus 92

8. It was first postulated by Stephen Hawking in 1974 in his theory on how the universe expanded and contracted. Further elaborated on in *A Brief History of Time*, it was the term Hawking used to describe what would happen after the universe stopped expanding and began to shrink back on itself. FTP, identify this two word term, which might also name a cereal if the Captain left the ocean for outer space.

Answer: cosmic crunch *Big Crunch*

9. "If I can only get this treaty through," he wrote to his wife during negotiations, "I think quite likely that I would get the Nobel prize." He did, the following year. The signing of his namesake treaty was the first to be captured on film, but had a myriad of problems, most notably that it contained no provisions for its own enforcement. FTP, identify this quixotic Secretary of State to Coolidge and namesake of an anti-war treaty along with Aristide Briand.

Answer: Frank B. Kellogg

10. After Hitler came to power, he became head of Germany's national center for Jewish adult education. But the authorities, stung by his criticisms of Nazism, wanted him silenced, and in 1938, he was given permission to travel to Palestine. He came to advocate a socialist, binational Arab-Jewish state in Palestine, and even after the war, refused to condemn Germany, leaving the matter of guilt up to each individual's conscience. FTP, identify this Jewish philosopher and author of *I and Thou*.

Answer: Martin Buber

11. American widower Adam Verver and his daughter Magi live in Europe, where they collect art and relish each other's company. Through the efforts of the manipulative Fanny Assingham, Magi becomes engaged to Amerigo, an Italian prince, but remains blind to his rekindled affair with her longtime friend Charlotte Stant. Magi and Amerigo marry, and later, after Charlotte and Adam have also wed, both spouses learn of the ongoing affair. They avoid confrontation until Magi buys the gilded crystal title object as a present for Adam, when the truth comes spilling out. FTP, identify this 1904 novel by Henry James.

Answer: The Golden Bowl

12. Based on the novel *Gone to Texas*, the title character's life is destroyed as a troop of Union ruffians burns his home and kills his family. He joins up with a Confederate band, but when the war is over refuses to swear allegiance and becomes the target of a large manhunt, which he fights off with the help of a pioneer family from Kansas. FTP, identify this movie starring Ruth Gordon, John Vernon, and Clint Eastwood.

Answer: The Outlaw Josey Wales...an Army of One

13. He began as a rural schoolteacher at the age of 15, and soon entered public life as a provisional legislator. At age 29, he was exiled to Chile, where he became active in politics and education. While in exile, he wrote an impassioned denunciation of the Argentine dictator Juan Manuel de Rosas, disguised as a quasi-biography of Rosas' gaucho lieutenant Juan Facundo Quiroga. FTP, identify this author of *Life in the Argentine Republic in the Days of the Tyrants*, who in 1868 became the first civilian president of Argentina.

Answer: Domingo Faustino Sarmiento

14. The particles contained within them are probably emitted by the sun in its periodic solar flares and, after traveling through space, are captured by the earth's magnetic field. A third one, composed of high-energy oxygen, nitrogen, and neon ions was discovered within one of the original two in the late 1980s, while the first were found by detectors aboard *Explorer I*. FTP, identify these belts of radiation outside the earth's atmosphere, named after a prominent University of Iowa astronomer.

Answer: Van Allen belts

15. The play opens after the Troy-bound Greeks have cast the title character on the desert island of Lemnos because of an incurable ulcer on his foot. In the course of the battle, the Greeks discover that they cannot defeat the Trojans without the title character, who possesses the bow and arrow bequeathed to him by Heracles. A supernatural appearance by Heracles ultimately convinces him to go to Troy to both win victory and be healed of his wound. FTP, identify this play, whose title character used his bow and arrow to slay Paris.

Answer: Philoctetes

16. Their final defeat did not come until 1811, at the hands of Muhammad Ali, but their sultanate was put to an end almost three century earlier by the Ottoman Turks. Originally brought to Egypt as slaves by the Fatimid caliphs in the 10<sup>th</sup> century, many were freed and rose to high rank, culminating in the ascension of Aybak in 1250, the first of this former class of slaves to rule. FTP, identify this warrior caste which was dominant in Egypt for nearly 700 years.

Answer: Mamluks or Mamelukes

17. Born in Auxerre, he accompanied Napoleon to Egypt, and on his return was made prefect of the department of Grenoble. He then took up his first interest, applied mathematics, and while working on the flow of heat discovered the equation which now bears his name. To solve it, he showed that many functions of a single variable can be expanded in a series of combinations of sines and cosines. FTP, name the man and you will name the series that is named for him.

Answer: Jean Baptiste Fourier

18. Published in 1914, the first three stories, narrated in the first person, portray children; the next four deal with young adults, and, like the remaining stories, are told by a third person. The following four stories concern mature life from middle age onward. The next three stories concern politics, art, and religion. Completing the collection is an appropriately named masterpiece a Christmas party hosted by Gabriel and Gretta Conroy. FTP, identify this collection of short stories featuring *The Dead*, written between 1904-1907 by James Joyce.

Answer: The Dubliners

19. Released in 1899, but dated 1900 by a publisher cannily aware of the book's significance, it sold only a few hundred copies in the first five years, and the limited audience almost unanimously hated it. The author himself recognized his ideas about what he called "the royal road to a knowledge of the unconscious" were bound to offend. FTP, identify this landmark psychoanalytic study of sleep by Sigmund Freud.

Answer: The Interpretation of Dreams

20. He took part in the Easter Rebellion of 1916; sentenced to life imprisonment, he was released under an amnesty in 1917 and elected president of Sinn Fein. Again imprisoned in 1918, he was released only because he was born in the U.S., and he went to America to seek help from Wilson. He served as prime minister three different times, and was Irish president from 1959-1973. FTP, identify this founder of Fianna Fail.

Answer: Eamon de Valera (do not accept Valera)

21. Endowed by Paul Mellon, the first was awarded in 1949 to Ezra Pound for *The Pisan Cantos*, but his indictment for treason led Congress to demand that the Library of Congress disassociate itself from the award. It transferred administration of the award to Yale, and it has been administered by the school ever since. Originally annual, it became biennial in 1964. FTP, identify this award for achievement in American poetry, named after the birthplace of Carl Jung, of whom Mellon was a great admirer.

Answer: Bollingen Prize

**Round 7 - Boni**

1. Given a description, identify the work of Eudora Welty FTP each.

A. Along with the later addition "Main Families in Morgana," the collection includes "Moon Lake" and "Music from Spain," with heroes modeled after Perseus, and "Shower of Gold," where the protagonist is a sexually adventurous Zeus figure.

Answer: *The Golden Apples*

B. This collection includes the title story, where a man quarrels with his pregnant wife, leaves the house, and descends into an underwater kingdom where he meets "The King of the Snakes". Forced to confront the darker mysteries of nature, he returns to his wife better capable of living a meaningful life.

Answer: *The Wide Net*

C. Sister is a young woman in a small Mississippi town who decides she must escape her eccentric family, and so sets up housekeeping in the title location.

Answer: *Why I Live At the P.O.*

2. Given a description of a Supreme Court case involving freedom of speech, identify the case, 5-10-15.

A. FFP, the general secretary of the American Socialist party was jailed for violating the Espionage Act of 1917. The conviction was upheld, and the "clear and present danger" rule was established.

Answer: Schenck v United States

B. FTP, a Klansman was arrested for advocating violence if his beliefs were not made into law. The Court overturned his conviction on the grounds it is not illegal to merely advocate a course of action, thereby overturning their own precedent set in *Whitney v California*.

Answer: Brandenburg v Ohio

C. F15P, three Iowa high schoolers were suspended from school for wearing armbands as a protest to the Vietnam war. The Court asserted that freedom of expression was not surrendered at the schoolhouse door.

Answer: Tinker v Des Moines

3. 1998 proved to be a hard year for old-time country music fans. Given a description, identify the star who passed away in '98.

A. FFP, this ex-wife of George Jones was probably most famous for the song "Stand By Your Man".

Answer: Tammy Wynette

B. FTP, this singer-songwriter had many hits, most notably the song "I Love a Rainy Night."

Answer: Eddie Rabbitt

C. F15P, he played banjo on *Hee-Haw* from 1968 until 1993, and looked *old* for the entire 25 years he plucked.

Answer: Grandpa Jones

4. Although gods are usually immortal, in many mythologies there are a number of gods who die. FTP each, identify the god given a description of his death.

A. This Norse god was killed by a piece of mistletoe thrown by the blind god Hoder.

Answer: Balder

B. This son of the muse Calliope was torn to pieces by Maenads.

Answer: Orpheus

C. This Egyptian deity was induced to lie in a special chest that was thrown into a river, then was cut into 14 pieces.

Answer: Osiris

5. Answer the following about the play *A Raisin in the Sun* on a 5-10-15 basis.

A. FTP, the author, Lorraine Hansberry, took the title of her play from what poem by Langston Hughes?

Answer: Harlem

B. FTP, Walter, Ruth, Beneatha, and Mama make up what main family of the play?

Answer: Younger family

C. F15P, this is the name of the white businessman who is trying to buy the Younger's home to maintain his all-white neighborhood.

Answer: Karl Linder

6. Identify the following Nobel Prize winners who may or may not be related FTP each.

A. Head of the Physics department at Chicago from 1892-1931, he collaborated with another scientist on an experiment which refuted the ether hypothesis. In 1907, he became the first American to win the Nobel Prize in Physics.

Answer: Albert Abraham Michelson

B. This Austrian-born researcher emigrated to the U.S. in 1922, and was awarded the 1930 Nobel Prize in Physiology or Medicine, becoming the first American to win.

Answer: Karl Landsteiner

C. This Harvard professor was awarded the 1914 Nobel Prize for Chemistry in recognition of his accurate determinations of the atomic weight of a large number of chemical elements. He became - all together now! - the first American to win.

Answer: Theodore W. Richards

7. Given what their post war resume might have looked like, identify the Confederate Cabinet member FTP each.

A. U.S. Senator from Louisiana, 1853-1861, Confederate Attorney General, Feb-Sept 1861, Confederate Secretary of War, Sept 1861-February 1862, Confederate Secretary of State, March 1862-April 1865

Answer: Judah P. Benjamin

B. U.S. Senator from Florida, 1851-1861, Confederate Secretary of the Navy, March 1861-April 1865

Answer: Stephen R. Mallory

C. U.S. Vice President, 1857-1861, Confederate Major General, July 1861-Feb 1864, Confederate Secretary of War, Feb 1864-April 1865

Answer: John C. Breckenridge

8. Answer these questions about flatworms FTP each.

A. What is the name given to the cells that flatworms use to excrete?

Answer: Flame cells

B. This type of flatworm, Class Trematoda, is parasitic and one of its members causes schistosomiasis, one of the most debilitating human diseases in human climates.

Answer: Flukes

C. This type of flatworm, Class Cestoda, is segmented into proglottids and attaches itself to intestinal cavities. It can store 100,000 eggs in a proglottid. They can thus produce a whopping 600 million eggs a year.

Answer: Tapeworm

9. Identify these tales on a 5-10-15 basis.

A. FFP, written by Lady Murasaki Shikibu, it depicts Japanese aristocracy and the relationship between the title prince and the many women in his life.

Answer: *The Tale of Genji*

B. FTP, regarded as Jonathan Swift's first major work, it is split into three parts: the title section, "The Battle of the Books", and "A Discourse Concerning the Mechanical Operation of the Spirit".

Answer: *A Tale of a Tub*

C. F15P, one of the *Canterbury Tales*, it is a moral debate between Prudence and her titular husband on the subject of vengeance.

Answer: *The Tale of Melibeus*

10. The Cathedral of Florence is often considered the greatest architectural work in Italy. Answer the following questions about the Cathedral for the stated number of points.

A. FFP, who designed the bronze doors of the Baptistery?

Answer: Lorenzo Ghiberti

B. FTP, who designed its bell tower?

Answer: Giotto

C. F15P, what painter drew the frescoes on the dome's interior?

Answer: Giorgio Vasari

11. Answer the following about an Athenian general and statesman on a 5-10-15 basis.

A. F5P, name this general who fought for the Athenians, then for the Spartans, then for the Athenians again before he was sent into exile and murdered.

Answer: Alcibiades

B. FTP, it was this Spartan naval commander and captor of the Athenian fleet in 405 BCE that had Alcibiades murdered.

Answer: Lysander

C. F15P, it was this 406 BCE naval battle, a loss for the Athenian fleet, which forced Alcibiades into exile.

Answer: Notium

12. Answer the following questions from the field of optics FTPE.

A. What is the term for the property of a medium defined as the speed of light in a vacuum divided by the speed of light in that medium?

Answer: index of refraction

B This term denotes the separation of a mixture of light radiations according to wavelength, and can occur in refraction, diffraction, or scattering.

Answer: dispersion

C What 17th century French mathematician elucidated the principle which states that when a light ray travels between any two points P and Q, its actual path will be the one that requires the least time?

Answer: Pierre de Fermat

13. Given a description, identify the legal term taken from Latin FTP each.

A. A finding that a defendant is mentally competent to stand trial.

Answer: Compos mentis

B. Any object upon which a crime has been committed, especially in a murder trial.

Answer: Corpus delict

C. A defendant's statement that the charges in a case will not be contested.

Answer: Nolo contendere

14. Answer the following about the Hertzsprung-Russell diagram on a 5-10-15 basis.

A. FFP, this is the name given to the wide belt of stars located in a line from the upper left hand corner to the lower right hand corner of the diagram.

Answer: Main sequence

B. FTP, this class of hot, dim stars are located in the lower left hand corner of the diagram.

Answer: White dwarf

C. F15P, the main sequence is anchored by two classes of stars - one class of cool stars with low luminosity, and one class of hot stars with high luminosity. 5 for one, 15 for both, name the two classes of stars which form the ends of the main sequence.

Answer: Blue giant, red dwarf

15. Name these ballroom dances after a brief description FTP each.

1. Originating around 1830 as a social dance, by 1844 it had become a raucous dance performed in French music halls.

Answer: Cancan

2. This social dance in 3/4 time became widely popular in the 19th century; it developed from the Landler.

Answer: Waltz

3. A Bohemian folk dance in duple time with a hop of the fourth beat - it became a popular ballroom dance in the mid-19th century.

Answer: Polka

16. Identify the author from works, 30-20-10-5

30: *A Personal Matter, Lavish Are the Dead*

20: *Teach Us to Outgrow Our Madness, Pluck the Bud and Destroy the Offspring*

10: *The Silent Cry, Hiroshima Notes*

5: He was awarded the 1994 Nobel Prize for Literature.

Answer: Oe Kenzaburo (Pronounced O-ae)

17. In 1970, the October Crisis rocked Canada. Answer the following about the crisis.

A. FFP, in what province did the Crisis unfold?

Answer: Quebec

B. FTP, what left-leaning French Canadian was prime minister at the time of the Crisis?

Answer: Pierre Trudeau

C. F15P, name either the British diplomat or the provincial labor minister who were kidnapped and held for ransom.

Answer: James Cross, Pierre Laporte

18. Name the fathers of the following biblical characters for ten points each.

A. Noah

Answer: Lamech

B. Seth

Answer: Adam

C. Methuselah

Answer: Enoch

19. FTP each, identify the following chemical processes used in industrial synthesis.

A. The high-pressure production of ammonia from hydrogen and nitrogen gases.

Answer: Haber process

B. The production of concentrated nitric acid, named after the German chemist who developed it during World War I.

Answer: Ostwald process

C. The production of concentrated sulfuric acid, which gives a 98% by weight aqueous solution.

Answer: Contact process

20. In the ever expanding quest to write new and exciting bonus questions, here comes the lamest yet. Note the following list of years: 1922, 1928, 1948, 1956, 1987, and 1994. Now, your job will be to pick a year. The moderator will tell you what novel won the Pulitzer Prize for fiction in that year. F5P, you identify the author - but once you miss, the bonus ends, and you earn the points you've accumulated. Simple? Of course not.

A. 1922: *Alice Adams*

Answer: Booth Tarkington

B. 1928: *Bridge of San Luis Rey*

Answer: Thornton Wilder

C. 1948: *Tales of the South Pacific*

Answer: James A. Michener

D. 1956: *Andersonville*

Answer: MacKinley Kantor

E. 1987: *A Summons to Memphis*

Answer: Peter Taylor

F. 1994: *The Shipping News*

Answer: Annie Proulx

21. Given the European war, identify the treaty which ended the war FTP each.

A. War of the Polish Succession

Answer: Treaty of Vienna (1735)

B. War of the Austrian Succession

Answer: Treaty of Aix-la-Chapelle (1748)

C. War of the Spanish Succession

Answer: Peace of Utrecht or Treaty of Utrecht (1713)