

TOSSUPS – NORTH GREENVILLE #3 Trevor's Trivia: Bob Selcer Memorial High School Quizbowl 2005
Questions by James Washick et al., North Greenville College

1. Its existence was first proposed in 1928 by Paul Dirac and confirmed in 1932 by Carl Anderson. Having a positive charge and a rest mass of 9.109×10^{-28} grams, it is scarce on Earth since interaction with its corresponding particle results in annihilation. FTP, name this antimatter particle sometimes called an anti-electron.

Answer: **Positron** (accept “anti-electron” until mentioned or “positive electron”; prompt on “antimatter”)

2. He first trained as an icon painter in a monastery before traveling sometime near 1566 to Venice then Rome to study under Titian (TIH-shun). Influenced by Tintoretto and Michelangelo, he produced *Christ Healing the Blind Man* and *Purification of the Temple*, before moving to Spain where he became known for his mannerist works. FTP, name this painter originally from Crete whose works include *The Burial of Count Orgaz* and *View of Toledo*.

Answer: **El Greco** or Domenikos **Theotokopoulos**

3. Clause forty of this document stated, “To none will we sell, to none deny or delay, right or justice,” and clause sixty-one gave a council of 25 Barons the right to seize castles and property to overrule the will of the King. Signed on the plain of Runnymede in Surrey, it claimed that not even the monarchy was above the law. FTP, name this cornerstone of liberty signed by King John in 1215.

Answer: **Magna Carta**

4. **Two answers required.** She received a BA in public relations from Westminster College and worked as an administrative assistant. He was a psychology graduate from Boston University and worked as a construction foreman. She originally finished sixth, being voted off after Nick Brown, while he was eliminated after the two tribes merged to form Soliantu. They met during the All-Stars competition where she won the million-dollar prize. FTP, name these now married veterans of *Survivor* and *The Amazing Race*.

Answer: Amber **Brkich** and Rob **Mariano** (accept **Rob** and **Amber** Mariano)

5. A minister of the Second Church of Boston, he resigned over his doubts about administering the Lord's Supper and became a lecturer on such subjects as “The Philosophy of History” and “Human Nature.” His address to the Harvard Phi Beta Kappa Society, “The American Scholar,” called for intellectual independence and helped solidify his reputation as a thinker. FTP, name this transcendentalist author of “Self-Reliance.”

Answer: Ralph Waldo **Emerson**

6. This organ whose name means “all-meat” serves both exocrine and endocrine functions. The majority of the organ is dedicated to providing the digestive enzymes such as trypsin and amylase used to break down lipids and proteins. Scattered throughout are clusters of cells called the Islets of Langerhans which produce hormones to regulate glucose. FTP, name this organ which produces insulin.

Answer: **Pancreas**

7. He was an actor and volunteer librarian when he was in college, but he entered the seminary during World War II and became a priest in 1946. A Turkish gunman shot him in May 1981 and a Spanish priest tried to stab him with a bayonet the next year, but he served in his position for 27 years, the longest reign since 1878. FTP name this former archbishop of Krakow and pontiff who died in April 2005.

Answer: Pope **John Paul II** or Karol **Wojtyla** (voy-TEE-wah)

8. His name in his own language was In-mut-too-yah-lat-tat which meant “thunder coming up from the water over the land.” In 1871 he succeeded his father as tribal leader and continued to resist efforts to relocate his tribe. In 1877, after a nearly 1500 mile journey, he was stopped only 30 miles from the Canadian border by a force under General Nelson Miles. There he told his people, “I will fight no more forever.” FTP, name this leader of the Nez Percé.

Answer: Chief **Joseph**

9. Pencil and paper may be needed. Find the second derivative of $2x^3 + 4x^2 - 6x + 2$ (two x cubed plus four x squared minus six x plus two).

Answer: **12x + 8**

10. His mother and father are dead, so he has been living with his auntie who runs a candy store. Blind without his glasses and suffering from asthma, he is overweight and is known throughout the novel by a nickname he hates. Although he recognizes the usefulness of the conch and his glasses are necessary to maintain the fires, he is unable to survive alone. FTP, name this intellectual boy from *The Lord of the Flies*.

Answer: Piggy

11. Discovered in 1940 by Martin Kamen and Sam Ruben, it is formed by cosmic ray bombardment of nitrogen in the atmosphere. Although a comparatively sparse isotope with a half-life of approximately 5700 years, its distribution in the atmosphere and presence in organic material allows for its use in testing. FTP, name this isotope used in radiometric dating to determine the age of an organic sample.

Answer: Carbon-14

12. Founded in the 1590s on the Ota River, it became a major urban city in the 19th Century and was a major supply base during the Sino-Japanese War and later during World War II. In early 1945 it had a population of approximately 255,000, but by December that number was reduced by nearly 90,000. FTP, name this Japanese city on which the first atomic bomb was dropped.

Answer: Hiroshima, Japan

13. This poet was dismissed from his post as secretary to Sir Thomas Egerton after he married Egerton's niece and made a meager living as a lawyer and pamphleteer. In 1615, after abandoning Roman Catholicism and converting to Anglicanism, he became a priest and six years later was appointed dean of St. Paul's Cathedral. He is best remembered now as the foremost of the metaphysical poets. FTP, name the author of "Valediction Forbidding Mourning," "The Flea," and "No Man Is an Island."

Answer: John Donne

14. After 2003 the functions of this department, currently headed by John W. Snow, have become more logical. While it still produces postage stamps, the Customs Service and Secret Service moved to the Department of Homeland Security, and the TTB has taken over the tax and trade functions of the ATF which moved to the Department of Justice. FTP, name this Cabinet Department responsible for managing federal finances.

Answer: Department of the Treasury or Treasury Department

15. As a verb it can mean "to hold in place by cables or chains secured to the shore, or by anchors." As a common noun, it can refer to an open tract of rolling land covered with marsh or peat. As a proper noun, it may refer to a member of the Muslim people of Arabic and Berber descent who occupied Spain in the 8th century. FTP, give this word which may refer either to the land near *Wuthering Heights* or to the tragic Othello.

Answer: Moor

16. When first put into use, it had a flawed mirror which made it little better than other alternatives, so corrective components were added to act like eyeglasses. In February 2005 new gyroscopes were to be added and the Wide Field and Planetary Cameras were to be replaced, but the service mission was cancelled. Without future servicing, it is expected to re-enter Earth's atmosphere between 2010 and 2032. FTP, name this orbiting observational device.

Answer: Hubble Space Telescope

17. When this musical based upon a Margaret Landon work opened on Broadway in April 1951, Gertrude Lawrence played one of the title roles. Secondary characters include Tuptim and Lady Thiang [*tee-YANG*]. Memorable songs include "Hello Young Lovers," "Something Wonderful," and "Getting To Know You." FTP, name this Rodgers and Hammerstein musical about Anna Leonowens and King Mongkut, the latter played on both stage and screen by Yul Brynner.

Answer: The King and I

18. Among those ruling during this dynasty which lasted 268 years was Kangxi (*KANG-shee*) who ordered the creation of an extensive dictionary of Chinese characters. Under this dynasty, Han Chinese were required to wear the queue (*KYOO*) hairstyle or be decapitated. However, after the Wuchang Uprising and the forcible abdication of Puyi (*POO-yee*), the dynasty ended. FTP, name this last imperial dynasty of China.

Answer: Qing Dynasty or Ch'ing Dynasty or Manchu

19. On her first day of school, this character tries to explain why Walter Cunningham won't accept charity, and Miss Caroline paddles her hand. Later, her uncle Jack beats her after she fights her cousin Francis, who has disparaged her father for defending Tom Robinson. By the end of the novel, however, she has matured and understands why exposing Boo Radley would be a sin. FTP, identify this daughter of Atticus Finch and narrator of *To Kill A Mockingbird*.

Answer: Scout Finch or Jean-Louise Finch [prompt on Finch]

20. Also called paramnesia, it is associated with temporal-lobe epilepsy but has been experienced by at least 70% of the population. In the film *The Matrix* it is a glitch in the system caused by changes in the program. Many scientists, however, claim it results from an anomaly of memory when short term-memory is mistaken for long-term memory of events. FTP, name this sensation of having seen something before.

Answer: deja vu

21. While at college he used the surname Wales, and in June 2005, he graduated from the St. Andrews University in Scotland with a Master of the Arts, after changing his major from arts history to geography. Though his immediate future is unclear, his mother's descent from the Duke of Grafton and the Duke of Richmond would make him the first descendant of Charles II to serve as monarch. FTP, name this grandson of Queen Elizabeth II, second in line to the throne.

Answer: His Royal Highness Prince William of Wales (accept William Mountbatten-Windsor)

22. The son of a Greek immigrant, he worked as an insurance salesman and lawyer before entering politics. In 1963, he was elected the County Executive of Baltimore County and became governor of Maryland four years later. While governor he accepted \$29,500 in bribes, a fact which would lead to him being only the second US Vice-President to resign from office. FTP, name this first VP under Nixon.

Answer: Spiro Agnew or Spiro Aganostopoulos

23. Because she chose to aid King Agnar in battle, she was condemned to live as a human and imprisoned in a ring of fire where she slept until a man would rescue and marry her. Though rescued, she was abandoned when Sigurd married Gudrun. FTP, name the valkyrie of Norse legend.

Answer: Brunhilde or Brynhilt (accept reason pronunciation as spellings differ)

1. Given a list of colleges and universities, name the state in which they are located. You'll get 10 points if you get the state from the first clue or 5 points for the second clue.

a) 10 pts.: DePauw University, Valparaiso University, Ball State

5 pts.: University of Notre Dame

Answer: Indiana

b) 10 pts.: Brandeis University, Tufts University, Williams College

5 pts.: Harvard University

Answer: Massachusetts

c) 10 pts.: Towson University, Loyola College, Johns Hopkins University

5 pts.: U.S. Naval Academy

Answer: Maryland

2. FTPE, identify these figures from Colonial American literature, FTSNOP.

10) In addition to the pamphlet "Advice to Such as Would Remove to America" and his *Autobiography*, he was also responsible for *Poor Richard's Almanac*

Answer: Benjamin Franklin

10) An important figure in the Great Awakening, he is famous for his sermon "Sinners in the Hands of an Angry God."

Answer: Jonathan Edwards

10) This daughter of a Massachusetts Bay Colony governor wrote the first published volume of poetry written by a New World resident, *The Tenth Muse Lately Sprung Up In America*.

Answer: Anne Bradstreet

3. Identify these terms related to light waves, FTPE.

a) The property of waves to spread and bend as they pass through apertures or around barriers.

Answer: Diffraction

b) This is the bending of light as it passes from one medium to another, as between air and water, causing an immersed object to appear bent to the observer.

Answer: Refraction

c) This is the phenomenon in which a wave of light is returned after striking a surface, such as a mirror.

Answer: Reflection

4. Name these branches of Islam, FTPE.

a) Around 80% of the Islamic community is of this denomination which believes that Abu Bakr was the rightful successor to Muhammad. They believe in the four schools of law called the madhab.

Answer: Sunnite or Sunni

b) A sect based in Islamic mysticism, it focuses on internal aspects rather than legal ones, particularly the concept of love. Dervishes are often initiates within this sect.

Answer: Sufism or Sufi

c) Composing about 15% of Islam, this denomination sees Ali and his male descendants are the rightful heirs of Muhammad. They generally believe the Imam is infallible and that the Koran can still be interpreted.

Answer: Shiite or Shi'a

5. Name the Roman rulers from clues, FTPE

a) Adopted by Julius Caesar as heir, this member of the Second Triumvirate established Rome's first permanent navy and army and began what is considered the Pax Romana.

Answer: Caesar Augustus or Gaius Julius Caesar Octavianus

b) The third of the five good emperors, he ruled from 117-138. Rather than conquest, he fortified the fortifications on the empire's borders, including a large wall in Britain.

Answer: Hadrian (Publius Aelius Traianus Hadrianus)

c) Ruling for less than four years, during which he supposedly made his horse a consul and named himself a god, this emperor nicknamed "Little Boots" was assassinated by members of the Praetorian Guard

Answer: Caligula (Gaius Julius Caesar Germanicus)

6. **VISUAL BONUS:** You are being given a handout. Assuming lines L and M are parallel, find the values for x, y, and z, FTPE. You have fifteen seconds.

Answers: x = 87° y = 69° z = 149°

7. Given episode descriptions, FTPE name these TV shows that ended their run during the 2004-2005 season,:

a) In the final episode, the title character has his adenoids removed and does come out of the anesthesia at first. Everyone is afraid to tell his mother. Everything returns to normal, and the show ends with everyone around the dinner table.

Answer: Everybody Loves Raymond

b) Jones and Clark investigate a Japanese diplomat's involvement in a murder as Sipowicz adjusts to being in command of the 15th.

Answer: NYPD Blue

c) After the crew save Shran's kidnapped daughter, Trip sacrifices his life to defeat the kidnappers, and Captain Archer prepares to make a speech at the signing of a charter.

Answer: Star Trek: Enterprise

8. In 1896, a 36 year-old congressman from Nebraska addressed the Democratic National Convention, giving a speech supporting silver coinage. FTPE:

a) Name this congressman who would become the Democratic nominee in 1896, 1900, and 1908.

Answer: William Jennings Bryan

b) That speech, which advocated the free coinage of silver, is best known by what three-word name

Answer: Cross of Gold

c) Bryan would later become associated with religious fundamentalism and assisted the prosecution of this teacher in Dayton, TN, in 1925.

Answer: John Scopes

9. Identify whether the following diseases are caused by a bacteria, a virus, or neither, 5-10-20-30

a) African Sleeping Sickness transferred via the tsetse fly.

Answer: neither (caused by the protozoa Trypanosome)

b) Rabies

Answer: virus

c) Trichinosis

Answer: neither (caused by Trichina worm)

d) Tuberculosis

Answer: bacteria

10. Name the author from works, 30-20-10

30) *The Ambassadors, The Golden Bowl*

20) *The Wings of the Dove, Washington Square*

10) *The Portrait of a Lady, Daisy Miller*

Answer: Henry James

11. FTPE, name these French painters from a description, none of whom are named Monet or Manet.

a) Unlike many impressionists, he did not paint the outdoors, preferring instead contemporary life such as the race track or the ballet. He exhibited only one sculpture during his lifetime, "Little Dancer Aged Fourteen."

Answer: Edgar Degas

b) More traditional and conservative than most of the impressionists, he was interested in painting the single human form or family portraits as seen in such works as "Little Girl with Watering Can" and "Madame Charpentier (SHAR-pen-tee-AY) and Her Children."

Answer: Pierre Auguste Renoir

c) With Paul Signac (SIN-yahk), he originated the theory of neo-impressionism, rejecting the irregular brushstrokes of the impressionists for the precise color placement of pointillism in works such as "Sunday Afternoon on the Island of La Grande Jatte."

Answer: Georges Seurat

12. Identify the Shakespearean play from quotes, FTPE. You will get five points if you need the speaker.

a-10) "If we shadows have offended, Think but this – and all is mended - That you have but slumber'd here While these visions did appear."

a-5) Puck or Robin Goodfellow

Answer: **A Midsummer Night's Dream**

b-10) "O, beware, my lord, of jealousy; It is a green-ey'd monster which doth mock the meat it feeds on."

b-5) Iago

Answer: **Othello**

c-10) "Neither a borrower nor a lender be: For loan oft loses both itself and friend; And borrowing dulls the edge of husbandry. This above all, - to thine ownself be true."

c-5) Polonius

Answer: **Hamlet**

13. FTPE identify the following chemical formulas as acid, base, salt, or none of the above:

a) HCl

Answer: **Acid**

b) CaCl₂

Answer: **Salt**

c) NH₃ in an aqueous solution

Answer: **Base**

14. Name these famous gunfighters who surprisingly did not die in battle, FTPE.

a) After serving as an officer in Wichita and Dodge City, he and his brothers – Virgil, Morgan and Jim – moved to Tombstone, AZ, and were involved in the OK Corral shootout. He left Tombstone, set up saloons, and died of bladder infection.

Answer: **Wyatt Earp** (prompt on just "Earp")

b) Although this dentist is thought to have killed Tom McLowry during the OK Corral shootout, he died in 1887 of tuberculosis rather than bullet wounds.

Answer: John Henry "Doc" **Holliday**

c) He served as deputy under Wyatt Earp, was sheriff of Ford County, Kansas, and made his living as a gambler. Afterward, he became a sports editor and columnist and served as the model for a character in *Guys and Dolls*.

Answer: Bat **Masterson**

15. Name the following baseball players who have all played for the Chicago Cubs at one time, FTPE.

a) Winner of 4 straight Cy Young Awards, he pitched for the Cubs for seven seasons before signing as a free agent with Atlanta where he spent another eleven seasons. He returned to the Cubs in 2003.

Answer: Greg **Maddux**

b) Originally drafted by the Texas Rangers, this outfielder played for the Cubs for 13 seasons before going to Baltimore. In 1998, along with Mark McGwire, he broke Roger Maris's single season home run record and is the only player with three 60 home run seasons.

Answer: Sammy **Sosa**

c) This second baseman, who won nine consecutive Gold Glove awards, was inducted into the Baseball Hall of Fame in July 2005 and had his number retired in August.

Answer: Ryne **Sandberg**

16. Name the opera by Verdi from a description, FTPE.

a) An Ethiopian princess who is a slave in Egypt falls in love with a young warrior also loved by the daughter of the King of Egypt. When he is condemned to be buried alive, she hides in his tomb.

Answer: **Aida**

b) A courtesan named Violetta falls in love with Alfredo Germont, but she leaves him to preserve his good name. By the time he realizes the truth, she dies of tuberculosis.

Answer: **La Traviata**

c) Feena, daughter of the King of Assyria, falls in love with the nephew of the King of Jerusalem. She converts to Judaism while her sister usurps the throne. Their father, the title character, recovers from insanity in time to set things right.

Answer: **Nabucco** or **Nabucodonosor** [accept **Nebuchadnezzar**]

17. FTPE, name the level of the atmosphere from a description.

a) This layer spans 80 to 640 km above the surface of the earth where temperature increases with altitude due to absorption of short wave solar energy.

Answer: **Thermosphere or Ionosphere**

b) In this layer with the greatest amount of ozone, temperature remains constant from 12 to 25 km, then increases with an increase in altitude.

Answer: **Stratosphere**

c) Temperature decreases with an increase in altitude in this layer that extends between 50 and 80 km.

Answer: **Mesosphere**

18. Name these loverboys from mythology, FTPE

a) A sculptor who vowed never to marry, he created his perfect woman and fell in love with the statue

Answer: **Pygmalion**

b) Though separated from his beloved Thisbe by their parents, he was able to speak to her through a crack in a wall. When they arranged to meet at the Tomb of Ninus, he believed she had been killed by a lioness and killed himself.

Answer: **Pyramus**

c) In love with Hero, the Priestess of Aphrodite in Sestus, this youth swam the Hellespont every night guided by a light. One stormy night he drowned and washed upon on the shore where Hero found him.

Answer: **Leander**

19. While Queen Elizabeth II may be the most recognizable ruler, England is not the only monarchy in Europe. Provided a list of twentieth century monarchs, name the land they ruled, FTPE.

a) Queen Wilhelmina, Queen Juliana, and Queen Beatrix have ruled here.

Answer: **Netherlands** (accept **Holland**)

b) This country has been ruled by King Gustav V, King Gustav VI Adolph, and King Carl XVI Gustaf

Answer: **Sweden**

c) Prince Louis II, Prince Rainier III, and Prince Albert II have ruled over this principality.

Answer: **Monaco**

20. Given first lines of poetry, name the poem, FTPE. You will receive five points if you need the author.

a-10) "Whose woods these are I think I know. His house is in the village though;"

5) Robert Frost

Answer: **Stopping by Woods on a Snowy Evening**

b-10) "Call the roller of big cigars, the muscular one, and bid him whip in kitchen cups concupiscent curds."

5) Wallace Stevens

Answer: The **Emperor of Ice-Cream**

c-10) "You do not do, you do not do anymore, black shoe in which I have lived like a foot for thirty years"

5) Sylvia Plath

Answer: **Daddy**

21. Given two current senators, name the state they both represent, FTPE

a) Orrin Hatch, Robert Foster Bennett

Answer: **Utah**

b) Arlen Specter, Rick Santorum

Answer: **Pennsylvania**

c) John McCain, Jon Kyl

Answer: **Arizona**

22. Given a list of three female athletes, name the sport with which they are most closely associated, FTPE.

a) Cristie Kerr, Michelle Wie (WEE), Annika Sorenstam,

Answer: **Golf**

b) Lisa Leslie, Sheryl Swoopes, Chamique Holdsclaw

Answer: **Basketball**

c) Maria Sharapova, Lindsay Davenport, Mary Pierce

Answer: **Tennis**

