

## Tossups for 1996 Wahoo War of the Minds Round 8

1. Also known as tonicity, in a one molar solution of particles at 25 degrees Celsius it is 24.4 atmospheres. Represented by a capital pi, it is equal to the concentration multiplied by the temperature and gas constant. FTP, identify this physical quantity, the force exerted by water molecules passing through a membrane at equilibrium.

Answer: osmotic pressure

2. He first became known to American audiences with cameo appearances in the Cannonball Run flicks, but it was not as successful as he had hoped. Returning to Hong Kong, this 41-year-old began to appear in comic martial arts adventures reminiscent of Charlie Chaplin shorts. FTP, name this most popular movie star in the world, currently starring in Rumble in the Bronx.

Answer: Jackie Chan

3. Born in 1336, this member of the Barla tribe took control of the Ulus Chagatai in 1370. Emerging from his capital in Samarkand, he conquered much of Central Asia from the Caucasus to Delhi. His attempt to conquer China ended with his death in 1404. FTP, name this last great nomad conqueror immortalized by Christopher Marlowe.

Answer: Tamburlaine (also accept Tamerlane or Timur)

4. This French painter studied under Claude Gillot and picked up some of his own painting techniques due to Gillot's obsession with the theater. As such, his paintings exhibit a Paris that is a combination of ceremony and illusion. This can be seen in such paintings as Gilles, a portrait of a clown, and Cythera. FTP, name this Rococo master.

Answer: Antoine Watteau

5. A parody of biographies, this novel covers three centuries of English history from 1588 to 1928. The title character's first great love affair is with Sasha, a Russian princess who betrays him. He goes into a deep sleep for seven years and wakes up as a woman, eventually marrying Marmaduke Bonthrop Shelmerdine. FTP, name this Victoria Woolf work.

Answer: Orlando

6. This language has an unusual grammar. Its nouns have a case which denotes that they are the subject of a transitive verb. Another feature is that the finite verb acts as a summary for all the noun phrases in a sentence. Known as Euskara to its speakers, this language has about 700,000 speakers along the western Pyrenees between France and Spain. FTP, name this language isolate.

Answer: Basque

7. Aphrodite avenged herself on this goddess who slept with her husband Ares by giving her an insatiable desire for young men. She took a Trojan prince as a lover, but when she asked Zeus to grant him immortality, she forgot to ask for eternal youth as well, and her lover eventually shriveled up and became a grasshopper. FTP, name this lover of Tithonus, the goddess of the dawn.

Answer: Eos (do not accept Aurora)

8. In late works, such as Conjectures and Refutations and Objective Knowledge, he tried to develop an evolutionary approach in epistemology. Born in Vienna, he left before the Anschluss to teach in New Zealand, where he continued his attack on Plato, Hegel, Marx, and historicism. FTP, name this British philosopher, who believed that scientific theories had to be falsifiable and who is best remembered for The Open Society and Its Enemies.

Answer: Karl Popper

9. Found in the mineral celestite, this silvery-looking element quickly turns yellow when exposed to air. Due to its tendency to ignite spontaneously, it is usually stored under kerosene. Its isotope with an atomic weight of 90 is considered the most dangerous component of radioactive fallout, due to its tendency to accumulate in the bones. FTP, name this element with atomic number 38.

Answer: Strontium

10. Founded in 1874 by John H. Vincent and Lewis Miller as a convention of Sunday-school teachers, this movement grew to include aspects to promote general learning through lectures on subjects from religion to agriculture. Named after the lake in upstate New York where the first assembly was held, this movement grew in size with over 300 chapters devoted to promoting it in the early 1900's. FTP, name it.

Answer: Chautauqua movement

11. The first European settlement in this city's area was the French Fort Assumption established in 1739. Located on bluffs along the Mississippi, a trio of owners including Andrew Jackson established the city in 1819, naming it after an ancient Egyptian city. FTP, name this city, home to the Lorraine Motel, Mud Island, and Graceland.

Answer: Memphis (TN)

12. The son of lower middle class Protestants, this writer worked as a laborer and served as a secretary for the Irish Citizen Army. He only achieved literary success at the age of 43 when his play The Shadow of a Gunman was first produced at the Abbey Theatre in 1923. FTP, name this Irish playwright of Juno and the Paycock and The Plough and the Stars.

Answer: Sean O'Casey

13. When the Germans launched Operation Citadel in July of 1943 against a bulge surrounding this city in the Soviet front, they ran into more men than expected. The Russians then counterattacked along the entire front advancing quickly and eliminating the Orel and Kharkov salients. FTP, name this battle, a decisive turning point after which the Russian army dominated the Eastern front.

Answer: Kursk

14. Educated at Gottingen, he taught there until 1933, when he was expelled by the Nazis. Moving to Berlin, he taught at Raman's Physical Institute in Bangalore before settling in Edinburgh, from which he corresponded with Einstein over their disagreements. FTP, name this German physicist, whose replacement of determinism with probability waves earned him the Nobel Prize in 1954.

Answer: Max Born

15. Prior to writing, he was a menial laborer, cotton picker, and a professional football player. The best of his many novels deal with life among sharecroppers and blacks in his native Georgia. He started with short stories such as "Country Full of Swedes," and he eventually wrote many novels such as Close to Home and Annette. FTP, name this author of Tobacco Road and God's Little Acre.

Answer: Erskine Caldwell

16. His father was a Yankees pitcher in the late sixties, later becoming a pitching coach for the Mets. Obviously, this pitching son didn't listen too closely to his papa, becoming a dull sub-.500 pitcher for the Jays. Traded to the A's, he managed to compile a record of 14-7 in 1995 despite an ERA of 4.55 in the best AL pitcher's park. FTP, name this pitcher recently acquired by the Cards for \$4 million a year.

Answer: Todd Stottlemyre

17. At the age of 21, he switched from law to a career in music, studying in Berlin and Vienna. In 1898, he wrote the first of seven symphonies. After the last, a single movement work, appeared in 1924, he quit composing. FTP, name this composer of Pohjola's Daughter, Tapiola, and The Swan of Tuonela, best known for the popular Finlandia.

Answer: Jean Sibelius

18. He took a degree in history in 1910, but graduated in science three years later. Beginning his work in his brother's private laboratory, he continued it at the University of Paris where he was professor of theoretical physics. FTP, name this French scientist, permanent secretary for the Academy of Sciences, who combined the ideas of Planck and Bohr in his doctoral dissertation, laying the foundations of wave mechanics and winning the 1929 Nobel physics prize.

Answer: Louis DeBroglie

19. "The nutrition is palatable." These words are reputed to be the final sentence uttered by this American president. A Whig and a losing gubernatorial candidate in the state of New York, this president later ran on the Know-Nothing platform in 1856. FTP, name this successor to Zachary Taylor.

Answer: Millard Fillmore

20. Among the sixteen films she directed were "The Children" and "India Song." Born and raised in Indochina, she is known for novels such as The Ravishment of Lol V. Stein and Savannah Boy, although this French woman is best known for her vaguely autobiographical L'Amant. FTP, name this author of 34 novels and Hiroshima Mon Amour, who recently died at the age of 81.

Answer: Marguerite Duras

## Bonuses for 1996 Wahoo War of the Minds Round 8

1. 30-20-10. Name the singer.

30: This singer-songwriter, along with three members of REM, recorded an album of blues covers under the name of Hindu Love Gods.

20: Among his albums in the 80's and 90's were Sentimental Hygiene, Transverse City, Mr. Bad Example, and a greatest hits collection, A Quiet Normal Life.

10: His best known album, Excitable Boy, contains such songs as "Roland the Headless Thompson Gunner," "Lawyers, Guns, and Money," and "Werewolves of London."

Answer: Warren Zevon

2. For 10 points apiece, name these illnesses caused by bacteria of the *Clostridium* genus.

1. A severe form of food poisoning.

Answer: Botulism

2. This disease causes progressive necrosis around a wound.

Answer: Gangrene

3. This one is characterized by tonic muscular spasms starting in the face and neck.

Answer: Tetanus

3. For 5 points apiece, and a bonus for all 5 correct, given a symphony, name the ~~author~~ <sup>composer</sup>.

1. Sea Symphony

Answer: Ralph Vaughan Williams

2. Symphony of Psalms

Answer: Igor Stravinsky

3. Symphony of a Thousand

Answer: Gustav Mahler

4. Surprise Symphony

Answer: Joseph Haydn

Scottish 5. ~~Scottish~~ Symphony

Answer: Felix Mendelssohn

6. Spring Symphony

Answer: Robert Schumann

4. For 5 points apiece, place these events in Japanese history in chronological order. Korea becomes a Japanese colony, Russo-Japanese War, Matthew Perry visits, Meiji Constitution passed, The emperor Meiji ascends to the throne, and the Sino-Japanese War.

Answer: Matthew Perry visits (1854); Emperor Meiji (1868); Meiji Constitution (1889); Sino-Japanese War (1894); Russo-Japanese War (1904); Korea (1910)

5. For 10 points apiece, name these unusual cloud types.

1. These small dark clouds, also known as fractostratus, occur when stratus clouds are torn by winds.

Answer: Scud

2. A small accessory cloud forming on top of cumuloform clouds, they take the shape of a cap or hood.

Answer: Pileus

3. Occurring in severe thunderstorms, these clouds formed by sinking air hang underneath cloud bases like the udders of a cow.

Answer: Mammatus

6. 30-20-10. Name the novel.

30: One of this novel's two plots is an account of the adventures of a rootless group of New Yorkers known as the Whole Sick Crew.

20: The other consists of Herbert Stencil's attempt to re-create his father's past and search for the mysterious title character.

10: The first novel by Thomas Pynchon.

Answer: V

7. We all know that the Kansas City team is nicknamed the Royals but FFP apiece and a bonus of 5 for all, what are the nicknames of the following minor-league ball clubs?

1. Rancho Cucamonga

Answer: Quakes

2. Fort Wayne

Answer: Wizards

3. Toledo

Answer: Mud Hens

4. Wilmington, Del.

Answer: Blue Rocks

5. Portland, ME

Answer: Sea Dogs

8. For 15 points apiece, identify these wars of South America.

1. After becoming dictator of Paraguay, Francisco Lopez launched a war against Argentina, Uruguay, and Brazil that lasted from 1864 to 1870. It devastated Paraguay, leaving it with only 15% of its previous population.

Answer: War of the Triple Alliance (accept Paraguayan War)

2. A struggle for the guano-producing provinces of Bolivia and Peru, this 1879-84 war began due to Chilean frustration with the heavy taxes imposed on Chilean nitrate companies. The war ended with Chile taking control of several of Peru's southern provinces and Bolivia's only ocean seacoast.

Answer: War of the Pacific

9. For 10 points apiece, given a brief description of a tectonic plate, name it.

1. Located off the South American Pacific coast, this plate's eastern boundary is at the Peru-Chile trench and the western edge is at the East Pacific Rise.

Answer: Nazca plate

2. Located off the coast of Washington, this plate shares its name with a strait separating Vancouver Island from the Olympic Peninsula.

Answer: Juan de Fuca plate

3. This large plate has along its boundaries the Mid-Atlantic Ridge, Carlsberg Ridge, the Southwest Indian Ocean Ridge, and the Azores Fault Zone.

Answer: African plate

10. For 10 points apiece, identify the architects of the following churches.

1. The Church of La Sagrada Familia in Barcelona

Answer: Antonio Gaudi y Cornet

2. Notre Dame du Haut in Ronchamp, France

Answer: Le Corbusier

3. St. Paul's Cathedral in London

Answer: Christopher Wren

11. Answer the following about first-order logic for 10 points apiece.

1. This inference rule states that given a premise and an implication of the premise, you can infer the conclusion.

Answer: Modus ponens

2. Name this symbol occasionally used in first-order logic that resembles the existential quantifier with an exclamation point.

Answer: Uniqueness quantifier

3. When converting logic sentences to normal form, what is the name given to the process that eliminates existential quantifiers?

Answer: Skolemization

12. 30-20-10-5. Identify the psychologist.

30: In The Ego and Mechanisms of Defense, this psychologist indicates that repression is the major mechanism by which the ego depends itself.

20: Her work with children during World War II is recounted in such volumes as Young Children in Wartime.

10: She found the Hampstead Child Therapy Clinic, where she employed many of her concepts in applying psychoanalysis to children.

5: The youngest daughter of Sigmund.

Answer: Anna Freud

13. Identify the following plays for 10 points given the protagonist, for 5 if you need the author.

1. 10: Ephraim and Abbie Cabot

5: Eugene O'Neill

Answer: Desire Under the Elms

2. 10: Christy Mahon

5: John Synge

Answer: The Playboy of the Western World

3. 10: John Tanner and Ann Whitefield

5: George Bernard Shaw

Answer: Man and Superman

14. Given a year and a brief clue, identify the tariff act for the stated number of points.

1. For 5 points, this 1930 tariff was the highest in U.S. history.

Answer: Hawley-Smoot Tariff Act

2. For 10 points, this 1861 tariff inaugurated the U.S. policy of high protectionism which it maintained until 1934.

Answer: Morrill Tariff Act

3. For 15 points, this 1897 tariff was the highest to that point, and it replaced the Wilson-Gorman Tariff Act of 1893.

Answer: Dingley Tariff Act

15. For 10 points apiece, identify these mythological figures.

1. When Attica was assigned to Athena, this god got huffy and inundated the land.

Answer: Poseidon

2. When Cassiopeia boasted of her daughter Andromeda's beauty as being greater than these mythological figures, Poseidon flooded her land and sent a sea monster to devour Andromeda.

Answer: Nereids

3. This Phrygian was saved by Zeus from flooding in return for being hospitable to Zeus when the King of the Gods was disguised as a mere mortal.

Answer: Philemon

16. For 5 points apiece, identify the playwrights of the following Pulitzer Prize winners for drama.

1. Three Tall Women

Answer: Edward Albee

2. The Kentucky Cycle

Answer: Robert Schenkken

3. Fences

Answer: August Wilson

4. Glengarry Glenn Ross

Answer: David Mamet

5. The Effect of Gamma Rays on Man-in-the-Moon Marigolds

Answer: Paul Zindel

6. 'night, Mother

Answer: Marsha Norman

17. Its time for Geography from Hell. For the stated number of points identify the following American dependencies.

1. 5: Comprised of seven islands including Swain's and Tuitula, the capital of this Pacific dependency is Pago Pago.

Answer: American Samoa

2. 10: The site of a National Wildlife Refuge and a facility of the Defense Nuclear Agency, this atoll is located 800 miles west-southwest of Honolulu.

Answer: Johnson Atoll

3. 15: Located in the Caribbean 100 miles south of Cuba and halfway between Jamaica and Haiti, this uninhabited island's sole structure is a lighthouse.

Answer: Navassa

18. For the stated number of points, answer these questions about the following American disasters.

1. 5: Over 2500 died when the Conemaugh River burst its dam in 1889 and buried this town under thirty feet of water.

Answer: Johnstown

2. 10: 147 people died when the garment factory of this company caught fire in 1911. After it, large scale reforms in building and factory laws were instituted.

Answer: Triangle Shirtwaist Company

3. 15: This steamer loaded with 2,500 Union Troops exploded on April 27, 1865 just upstream from Memphis. Of those on board, fewer than 1000 survived.

Answer: Sultana

19. For 15 points apiece, name these satellites of Saturn.

1. With one of the most active surfaces, this satellite is covered with ridged plains that bear signs of recent geologic activity. Other areas are criss-crossed by a pattern of linear faults.

Answer: Enceladus

2. Like Mimas, this satellite has a crater one-third the size of the satellite. Unlike Mimas, it also has a gigantic fracture covering three-fourths of the moon's circumference.

Answer: Tethys

20. Given a work of Japanese literature, name the author, for 10 points apiece.

1. The Pinch-Runner Memorandum

Answer: Kenzaburo Oe

2. Temple of the Golden Pavilion

Answer: Yukio Mishima

3. The Woman in the Dunes

Answer: Kobo Abe