

Tossups by Johns Hopkins B for 1995 Princeton

1. Cortisol, deoxycholic acid, progesterone, estradiol. These all have three six-membered rings and one five-membered ring fused together. FTP, name this class of terpenes, the most famous of which is cholesterol.

Answer: STEROIDS (prompt on hormones)

2. This number is given by the formula density times length times velocity, divided by viscosity. It measures the ratio of inertial to viscous effects in a flowing fluid. It also resembles the name of a method of food preservation as well as an ex-husband of Loni. FTP, name this number.

Answer: REYNOLDS

3. Hero and Leander are characters in William Shakespeare's play "A Midsummer Night's Dream," but are also the main character in a work by one of Shakespeare's contemporaries. FTP, name this author of "Hero and Leander."

Answer: Christopher MARLOWE

4. He was born in Kenya in 1941 and educated at Oxford, completing his doctorate in zoology under Nobel laureate, Niko Tinbergen. He went on to hold the Charles Simonyi Chair of Public Understanding of Science at Oxford. In his books *The Selfish Gene* and *The Blind Watchmaker* he helped expound the gene theory of evolution. FTP, name him.

Answer: Richard DAWKINS

5. Robert Jackson was the chief American prosecutor. Hjalmar Schacht, Hanz Fritzsche, and Franz von Papen were acquitted. The other 19 defendants were sentenced to either life imprisonment or hanging. FTP, name this trial, which takes its common name from the Palace of Justice in the city in which it was held.

Answer: NUREMBERG or INTERNATIONAL MILITARY TRIBUNAL

6. This rank in the Army was originally established by Congress for George Washington in 1799, but he never accepted it. It took Gerald Ford and a joint resolution of Congress in 1976 to raise him to that rank. John J. Pershing is still the only person ever to hold this rank, although he never wore in excess of four stars. FTP, can you name this highest General rank?

Answer: GENERAL OF THE ARMIES

7. Time After Time, Cat People, Blue Thunder, Tank Girl, Sunset, Milk Money. One former member of the Royal Shakespeare Company has been in all of these movies. FTP, name this man, who has also appeared in *Wing Commander III* and will likely be remembered as the man who finally killed Captain James T. Kirk.

Answer: Malcolm MCDOWELL

8. I'm sure the Atlanta-Cleveland World Series riveted you to your seats. The Japan Series probably didn't. FAQTP, name the team featuring three ex-American players who won this year's Japan Series.

Answer: YAKULT SWALLOWS (or accept each word separately)

9. This word is probably described most famously in a letter from Lord Acton, John Emerich, and Edward Dalberg, to Bishop Mandell Creighton in 1887. In physics, it is delivered by a wave as a function of sine squared. It could be spelled using the chemical symbols for polonium, tungsten, and erbium. FTP, give me this five-letter word which corrupts people and also expresses the amount of work don over time.

Answer: POWER

10. Ellen Barkin, Jeff Goldblum, Christopher Lloyd, John Lithgow, Peter Weller. These now-famous actors first started out in what is now a sci-fi bastion. The Professor even played a character on *Star Trek: the Next Generation* and this man inspired a baseball character on *Deep Space*. FTP, can you name the title character from this movie?

Answer: The Adventures of BUCKAROO BANZAI Across the Eighth Dimension

11. In 1681, he wrote *The Sacred Theory of the Earth*. It attempted to provide a geologic rationale for Biblical events. He became Clerk of the Closet at the court of William III on the strength of it and was once even considered for the Archbishop of Canterbury. But in 1692, he advocated an allegorical interpretation of the six days of Genesis and was promptly kicked out. FTP, name this man.

Answer: Rev. Thomas BURNET

12. He was one of six children of a Norwegian minister. In 1823, he solved the classic tautochrone problem and also proved that fifth-order equations cannot be solved in terms of radicals. His greatest work, the discovery of integrals of algebraic functions, now bears his name. Unfortunately, he contracted tuberculosis and died in 1829 at the age of 26. FTP, name this mathematician.

Answer: Niels Henrik ABEL

Bonuses by Johns Hopkins B for 1995 Princeton

1. 30-20-10 Name the artist from his works

30: Gas, Early Sunday Morning, Eleven A.M.

20: House by the Railroad and New York Movie

10: Nighthawks

Answer: Edward HOPPER

2. (25) Frank Herbert wrote six Dune books. For 5 points each, name all five books, besides Dune, which make up the series.

Answer: DUNE MESSIAH, CHILDREN OF DUNE, GOD EMPEROR OF DUNE, HERETICS OF DUNE, CHAPTERHOUSE: DUNE

3. 30-20-10 Name the author from his works.

30: Woman of Spain, Hill of the Hawk, The Sea is Red

20: The King's Fifth and Black Star, Bright Dawn

10: Island of the Blue Dolphins, Sing Down the Moon

Answer: Scott O'DELL

4. (30) There are eight Democratic senators who have announced that they will not seek re-election in 1996. Perhaps the most famous of these eight being Bill Bradley and Sam Nunn. For 5 points each, name the other six.

Answer: James EXON, Howell HEFLIN, J. Bennett JOHNSTON, Claiborne PELL, David PRYOR, Paul SIMON

5. (25) Shakespeare often named his plays, especially his tragedies, after the main characters (e.g. Hamlet, Macbeth, and Othello, to name just a few). However, he also titled a few plays after characters without actually naming them. For 5 points each, name these Shakespearean characters given the title of the play.

1. The "Shrew" in the comedy "The Taming of the Shrew."

Answer: KATHARINA

2. The two men in "Two Gentlemen of Verona."

Answer: VALENTINE and PROTEUS

3. The wives of the men dwelling at Windsor in "The Merry Wives of Windsor."

Answer: Mrs. FORD and Mrs. PAGE (do not accept Anne Page)

6. (30) China is the third largest country in the world, and as such, it is only to be expected that they have many neighbors, 14 to be exact (disregarding European colonies and disputed areas). For 5 points each, name the six smallest nations sharing a border with China.

Answer: BHUTAN, NORTH KOREA, TADZHIKISTAN (or TAJIKISTAN), NEPAL, KIRGHIZSTAN (KYRGYZSTAN), LAOS

7. 30-20-10. Name the scientist.

30: He was born in 1845 in Leipzig, Germany and obtained his PhD in physics in 1869. He died of intestinal cancer in 1923.

20: He was the first person to demonstrate that it is easier to heat humid air than dry air. A vacuum tube and induction coil was all he needed to make his most famous discovery.

10: He won the first Nobel Prize for Physics in 1901.

Answer: Wilhelm ROENTGEN

8. (30) Before the Latin American independence movements of the 1820s, Central and South America were divided into Vice-Royalties by the Spanish government. For 10 points each, given a group of present day Latin American countries, name the vice-Royalty that they belonged to.

1. Mexico, Guatemala, El Salvador, Nicaragua, and Honduras.

Answer: NEW SPAIN

2. Colombia, Venezuela, Ecuador, Panama, and parts of Peru.

Answer: NEW GRANADA

3. Argentina, Paraguay, Uruguay, and parts of Bolivia.

Answer: RIO DE LA PLATA

9. (30) Last year, Polish director Krystof (Chris-toff) Kieslowski (kiss-lauw-ski) completed his cinematic trilogy, Blue, White, and Red. Interestingly enough, these colors correspond to those found in the French flag, and each movie is meant to illustrate an aspect of France's famous revolutionary phrase. Given the movie, name the part of the French slogan that it illustrates.

1. Blue

Answer: LIBERTE (or LIBERTY)

2. White

Answer: EGALITE (or EQUALITY)

3. Red

Answer: FRATERNITE (or FRATERNITY)

18. (30 pts) A 1947 law established the National Security Council after WWII. Also known as the "inner cabinet," it is made up of foreign policy specialists, by invitation, and a permanent core of six governmental positions. For 5 points each, name the six permanent positions on the NSC.

Answer: the PRESIDENT, the VICE-PRESIDENT, the SECRETARY OF STATE, the SECRETARY OF DEFENSE, the SECRETARY OF THE TREASURY, and the ATTORNEY GENERAL

19. (30) Let's test you knowledge of Bloom County.

1. The song used by Steve Dallas to interest the record company in Billy and the Boingers.

Answer: LET'S ROLL OVER LIONEL RICHIE WITH A TANK

2. Who owned Opus the Penguin?

Answer: BINKLEY

3. This girl was Opus's first data.

Answer: ALPH MUSHPIE

20. (25) This bonus is about a competition for three-year-olds.

1. For 15 points, arrange the three races of the American triple crown of horse racing in order of shortest to longest.

Answer: The PREAKNESS STAKES, The KENTUCKY DERBY, The BELMONT STAKES

2. For 5 points each, name the flowers that are associated with the Kentucky Derby and The Preakness Stakes.

Answer: ROSES (The Kentucky Derby) and BLACK-EYED SUSANS (Preakness)

21. (30) Name the three main air-to-air missiles used by the F-14 Tomcat. Hint, their ID numbers are Aim-54, Aim-120, and Aim-9.

Answer: PHOENIX, SEWINDER, and AMRAAM

22. 30-20-10. Name the entertainer.

30: He first come on the scene as "Hunk in the Elevator" in the Woody Allen comedy, Scenes from a Mall.

20: A few years ago, he made a career change, deciding that he no longer wanted to just appear on romance novels, he also wanted to write them, and he has penned such modern "classics" as Pirate, Rogue, and Viking.

10: This Italians vision of fantasy and romance can be seen in his commercial where he utters the memorable line, "I can't believe it's not butter ... Spray."

Answer: FABIO

23. (20) Name's the same. A genus of about 500 species of herbs and low shrubs including pansies, it is also a stringed instrument with a body length of 37 to 43 centimeters.

Answer: VIOLA

24. (20) Everyone knows Groucho Marx and Karl Marx. Groucho and Karl are not related, but Groucho does have four brothers. For 5 points each, name Groucho's four brothers.

Answer: CHICO, HARPO, GUMMO, ZEPPO