# TOSSUPS - Washington University 

## 1. TOSSUP

Gravitational microlensing in the galactic halo, inferred measurements of the Hubble constant, and flat galactic rotation curves suggest that there is more to the universe than meets the eye. For ten points, what term do cosmologists use to denote the missing mass that may constitute over 90\% of the universe?
_dark matter_
2. TOSSUP

If you worked for Gizmonic Institute and missed this question you might find yourself shot into space and forced to watch cheesy movies. That's what happens to Joel and his robot friends on, for ten points, what Comedy Central show?
_Mystery Science Theater 3000_

## 3. TOSSUP

In his "Misopogon" (mis-O-po-gon), this Roman emperor quoted the people of Antioch as saying that neither chi nor kappa ever did them harm. Chi referred to Christ, and kappa to the emperor's predecessor Constantius. For ten points, identify this last pagan emperor, often called "the apostate".
_Julian_
4. TOSSUP

A group of students visits the United Nations. These students speak Welsh, Latvian, Hindi, Burmese, Italian, and Greek. For ten points, which of these languages is NOT an Indo-European language?

Burmese_

## 5. TOSSUP

"Limoges" (lee-MOJ), "Catacombs", "Samuel Goldenberg and Schmuyle", "Hut on Fowl's Legs", "Gnomes", "Promenade", and "The Great Gate of Kiev" are all movements, for ten points, of what musical work by Modest Mussorgsky?
_Pictures at an Exhibition_

## 6. TOSSUP

In 1865, this neurologist first proposed that the left and right hemispheres of the brain perform different functions. Four years previously, he had localized speech control to a specific part of the cerebral cortex
which now bears his name. For ten points, identify this brainy French psychoneurologist.

Paul _Broca_

## 7. TOSSUP

Wovoka (woh-VOH-ka) taught his followers that they would be hoisted into the air by magical feathers, while a crashing heap of dirt would bury all white civilization below. Then all the Indians who ever lived would rise from the dead, and the bison would return to the plains. For ten points, identify this ecstatic religion which swept through the western United States Indian tribes during the early 1890's.

## _Ghost Dance_

## 8. TOSSUP

"In the name of God, Amen, We whose names are underwritten, the Loyal Subjects of our dread sovreign Lord, King James ..." Thus begins a 1620 document that has been called the first written constitution in America. For ten points, identify this agreement among the Pilgrims.
_Mayflower Compact_
9. TOSSUP

Although he spent he was a native Frenchman, this author spent a great deal of time in England, thanks to the unpopularity of his ideas in his native land. When he finally did return home, he introduced Shakespeare $t$ to France, although he eventually came to dislike the Bard's works. He also spent some time in the service of Frederick the Great. Name this influential author, whose real name was Francois Marie Arouet.
_Voltaire_

## 10. TOSSUP

An essential component of most home smoke detectors, this transuranium element is highly radioactive, and yet thousands of smoke detectors get buried in landfills every year. For ten points, identify the element which comes after plutonium and before curium, and which is named after an Italian New World explorer.
_Americium_
11. TOSSUP

The Yankees may have the most World Series championships in major league history, but only one team has a winning record against the Yankees in the World Series. For ten points, name this National League club, second to the Yanks in World Series championships with nine, the most recent coming in 1982 against the Brewers.

St. Louis _Cardinals_

## 12. TOSSUP

If your journeys took you from Timor to Celebes (SELL-uh-bays) to Sumatra and then to Java, for ten points, what country would you be in?
_Indonesia_
13. TOSSUP

Speakers at their annual conference still address each other as comrade. Their symbol is the red rose and the conference is held in the same spot every year--Brighton. For ten points, name this British party that hasn't won a general election since 1976.
_Labor_ party

## 14. TOSSUP

When it closed in December 1992, the conventional wisdom was that it had closed for good. But the owner vowed that this 124 year old theater, immortalized by Erte's posters, Chevalier's voice, and Josephine Baker's legs would reopen. And sure enough, 9 months and 5 million dollars later it did. For ten points, name this most famous of Parisian revues.
_Folies-Bergere_

## 15. TOSSUP

Captain Jean-Luc Picard claimed to have worked on this in his youth. But a paper entitled, "Elliptic curves, modular forms and Galois (gal-WAH) representations" may prove Picard's claim an anachronism. For ten points, what is the famous problem that mathematician Andrew Wiles' paper claims to have solved?
_Fermat's Last Conjecture_ or _Fermat's Last Theorem_

## 16. TOSSUP

A forty-foot tall replica of one of his most famous works resides in Nashville, Tennessee, inside a full-sized model of the Parthenon. His statue of the Olympian Zeus was one of the wonders of the ancient world, but for 10 points, identify this master Greek sculptor, whose gigantic figure of Athena graced the original Parthenon.
_Phidias_ or _Pheidias_ (FID-ee-as)
17. TOSSUP

As chairman of the Democratic National Committee, he was riding high with the election of Bill Clinton. But his longtime role as a Washington
lobbyist continues to haunt his political career. Recently he was accused of accepting seven hundred thousand dollars to help open trade with Vietnam. For 10 points, name this embattled Secretary of Commerce.

Ron _Brown_

## 18. TOSSUP

The TV show "Head of the Class" ruined this poet for thousands of people years ago when it pointed out that almost all of her works could be sung to the tune of "The Yellow Rose of Texas". But, for ten points, can you name the eccentric poetess who wrote the line, "Because I could not stop for death, he kindly stopped for me"?

Emily _Dickinson_
19. TOSSUP

These hypothetical particles are believed to be topological deformations in space-time which act like infinitely thin solenoids. They are predicted by most grand unified theories, but to date no one has found any of these exotic particles, which might throw off a compass reading. For ten points, identify the particle.

Magnetic _monopole_
20. TOSSUP

Holding professorships in both philosophy and psychology at Harvard University, this man pioneered the psychological study of religious conversions. For ten points, identify the author of "The Varieties of Religious Experience", who was also the founder of two "-isms": functionalism, and pragmatism.

William _James_

## 21. TOSSUP

Most Americans know her from two 15 minute sessions shown on C-SPAN where she continually calls for order. So far, she has managed to keep a rein on the often unruly British House of Commons. For ten points, name the first woman to hold the position of speaker in the lower house.

Betty _Boothroyde_

## 22. TOSSUP

Because its leaves closely resemble those of a tomato plant, tomatoes were long thought to be poisonous. Name this well-known poisonous plant, also related to eggplants, potatoes, and tobacco.
_nightshade_
23. TOSSUP

Alas, kids have been giving parents a hard time since Elizabethan times. "How sharper than a serpent's tooth it is/ To have a thankless child," lamented one fictional parent. For ten points, name this royal patriarch of Shakespeare.
_King Lear_

## 24. TOSSUP

Known in ancient times as Armoria, this province of France has long held separatist ambitions. Its natives do not speak French as their first language, but instead speak a language related to Welsh. However, the French government, in an effort to enforce conformity, has banned the use of the native language in school, and actively tries to supplant native Celtic customs with French ones. For ten points, identify this peninsula on the northwest corner of France.
_Brittany_

1993 Hop on Pop Invitational Nov. 19-20, 1993
Washington University Bonuses

1. BONUS ( 25 points)

Stanley Baldwin, Robert Walpole, Benjamin Disraeli, Anthony Eden, and the Duke of Wellington have all been Prime Minister of Great Britain. For five points apiece, arrange them in proper chronological order.

ANS: Walpole
Duke of _Wellington_
Disraeli
Baldwin
Eden
2. BONUS ( 30 points)

Identify the following rock band of the 1970's after one clue for thirty points, after two clues for twenty points, and after three clues for ten points.

1) On the TV show "Cheers", Rebecca Howe claimed that her fiance was a lawyer with a law group by the same name as this band
2) They recorded rocked-out versions of the classical pieces "The Nutcracker Suite" and "Pictures at an Exhibition"
3) Their most well-known song is "Lucky Man"

ANS: _Emerson, Lake, and Palmer_

## 3. BONUS (30 points)

The former Soviet republic of Georgia is not a fun place to be now. Beset by an armed and successful separatist group, this nation also faces civil war from an ex-leader. For ten points apiece

1) who is the current president of Georgia?

ANS: Eduard _Shevardnadze_
2) what former president of Georgia controls rebel forces trying to overthrow the current government?
3) what is the capitol of Georgia?

ANS: _Gamsakhurdia_
ANS: _Tblisi_
4. BONUS ( 30 points)

The Pulitizer prize is one of the most prestigious literary honors bestowed in the United States. For ten points each, given the author and the year, give the title of the work for which they received the honor in that year.

1) William Faulkner 1955

ANS:_A Fable_
2) Allen Drury 1976
3) James Agee 1958

ANS: _Advise and Consent_
)
ANS: _A Death in the Family_
5. BONUS (25 points)

If you saw Jurassic Park, then you probably know your geologic periods. But, for five points each, put these periods in chronological order: Jurassic, Cambrian, Tertiary, Silurian, Triassic

ANS: Cambrian
Silurian
Triassic
Jurassic Tertiary
6. BONUS ( 30 points)

Classify these subatomic particles as leptons, hadrons, or bosons, for five points apiece

1) photon
2) proton
3) $W$ particle
4) electron
5) gluon
6) neutrino

ANS: boson
ANS: hadron
ANS: boson
ANS: lepton
ANS: boson
ANS: lepton
7. BONUS ( 30 points)

For five points apiece, list the first 6 Roman emperors in chronological order.

ANS: Augustus (accept Octavian)
Tiberius
Caligula (accept Gaius),
Claudius
Nero
Galba

## 8. BONUS ( 30 points)

Even fictional characters need a job these days. For ten points each, given a character's name and the work, identify the occupation of the character.

Oliver Grant, _Look Homeward Angel_ ANS: Stonecutter
Guy Pollock, _Main Street_ ANS: Lawyer
Sam Weller, _Pickwick Papers_ ANS: Valet/personal attendant

## 9. BONUS ( 30 points)

Identify this religious group after one clue for 30 points, after two clues for 20 points, or after all three for 10 points

1) its holy city is Amritsar
2) its followers adopt a surname meaning "Lion"
3) it was founded by Guru Nanak

ANS: _Sikhism_, or _Sikhs_
10. BONUS (20 points)

Put these famous Christian church scholars in chronological order for five points each: Aquinas, Athanasius (ah-than-AY-shus), Augustine, Origen

ANS: Origen
Athanasius
Augustine
Aquinas
11. BONUS (30 points)

I'll give you three groups of languages. For ten points each, identify the language which is not closely related to the other ones:

1) Welsh, Cornish, Manx, Breton

ANS: Manx
2) Chinese, Thai, Tibetan, Burmese

ANS: Thai
3) Estonian, Latvian, Lithuanian, Russian

ANS: Estonian
12. BONUS ( 30 points)

Identify the following about the Persian empire, for ten points apiece.

1) the six letter word for a provincial governor of the Persian empire

ANS: satrap
2) the Persian king who led the invasion of Greece in 480 BCE ANS: Xerxes
3) the chief god of Zoroastrianism, the official religion of the Persian monarchy

ANS: Ahura Mazda
13. BONUS ( 30 points)

Identify these organic chemistry terms, for ten points each

1) a hydrocarbon with an attached hydroxide group
2) the functional group symbolized by CONH 2
3) a hydrocarbon which contains two carbon atoms bonded by a triple bond

ANS: alkyne

## 14. BONUS ( 30 points)

For ten points each, if you travel between the following three pairs of African capitals, are you travelling primarily north, south, east or west?

1) Antananarivo (an-tan-nan-a-REE-voh) to Harare (ha-RAW-ray) ANS: West
2) Tripoli to Tunis

ANS: North
3) Yaounde (YAON-day) to Bangui (BAN-gwee)

ANS: East
15. BONUS (25 points)

For five points apiece, list the five cities which were considered for NFL expansion teams at the owner's meeting in October 1993.

ANS: St. Louis, Baltimore, Charlotte, Jacksonville, Fla., Memphis

## 16. BONUS (25 points)

Altogether, Bob Hope, Bing Crosby, and Dorothy Lamour made seven "Road" pictures. For 5 points each, name any five of their destinations:

ANS: Bali
Hong Kong
Morocco
Rio
Singapore
Utopia
Zanzibar
17. BONUS ( 30 points)

Identify this year after the first clue for 30 points, after the second clue for 20 points, or after the third clue for 10 points.

1) Albert Hall was convicted of taking a bribe in the Teapot Dome Scandal.
2) William Faulkner published "The Sound and the Fury"
3) On October 29th, the stock market crashed.

ANS: 1929
18. BONUS ( 30 points)

Classify these plants as chlorophytes, phaeophytes (FAY-oh-fights), rhodophytes, bryophytes, or tracheophytes, for 5 points apiece.

| pine tree | ANS: tracheophyte |
| :--- | :--- |
| brown kelp | ANS: phaeophyte |
| potato plant | ANS: tracheophyte |
| liverwort | ANS: bryophyte |
| red kelp | ANS: rodophyte |
| fern | ANS: bryophyte |

19. BONUS (20 points)

Let's see how good you are at identifying art movements. I'll read a description of the period and you give me the name usually associated with the period.

1) This style was popular with the European aristocracy during the 18th century. It is characterized by extravagent decorative effects and artificial pastoral scenes.

ANS: _Rococco_
2) Streamlined, geometric design motifs characterized this style which was developed in 1925 and lasted through the 30's

ANS: Art _Deco_
20. BONUS ( 30 points)

We all know that Pennsylvania was named for William Penn. Identify these other states for ten points apiece by the origin of their names.

1) This state derives its name from a Navajo word meaning upper or high up.

ANS: Utah
2) This state's name comes from an Algonquin Indian term meaning "river of big canoes" ANS: Missouri
3) This state's name is a Russian variation of a native word for peninsula

ANS: Alaska

## 21. BONUS ( 30 points)

Two's company, but three's a crowd. Given a description of these literary threesomes, identify all three members. You'll get ten points for identifying all three, but none for getting one or two.
the 3 daughters of King Lear ANS: Regan, Goneril, Cordelia
the 3 Bronte sisters ANS: Charlotte, Emily, Anne
the 3 musketeers ANS: Porthos, Aramis, Athos
22. BONUS ( 20 points)

Although this Baroque composer wrote many marches and masses, his best-known work is, however, "Canon and Gigue in D". For twenty points, name him.

ANS: _Pachabel_

