

Tossups

1. This American election was the last that required a party to determine their presidential nomination at the convention itself. At the convention held by the Democrats in San Francisco, former astronaut John Glenn failed to collect many votes. In the primaries, Gary Hart was criticized for his empty promises with the line “where’s the beef?” Geraldine Ferraro became the first major female vice presidential candidate, though the Republicans ended up winning. For ten points, identify this election year whose campaign focused on nuclear defense and resulted in Reagan crushing Mondale by winning 49 states.

Answer: **1984** US presidential election (prompt on “84”)

2. Arguably the first celebrity, this author of *The Giaour* and *The Corsair* was bisexual and was rumoured to have slept with his half-sister. Accordingly, he was quite out of place with the English literary scene which he dominated from the mid 1850’s until his death. This writer is also famous for his creation of his own type of hero, marked by faults as well as virtues, also tending towards a promiscuous way of life. For ten points, name this poet who wrote *Childe Harold’s Pilgrimage* and *Don Juan*.

Answer: George Gordon, Lord **Byron**

3. This country’s second largest city, Mwanza, is a hub in the Great Lakes area. The region of Kigoma claims to be the site of Livingston and Stanley’s encounter, though that is disputed by nearby Burundi. Two islands maintain some autonomy from the mainland, which moved its capital in the 1990s to Dodoma. This nation is the site of evidence of early humans in places like Kalambo Falls and Olduvai Gorge. For ten points, what African country has Zanzibar just off the coast from Dar Es Salaam?

Answer: United Republic of **Tanzania**

4. This property is the driving force of membrane distillation, often used in desalination. Its logarithmic relationship with temperature can be shown empirically with Antoine constants, or theoretically with the Clausius-Clapeyron equation. A liquid will boil if this property is equal to the surrounding pressure – for water at 100° Celsius, it is 1 atmosphere. For ten points, name this quantity that describes the pressure formed above a liquid in equilibrium.

Answer: **vapour**-liquid equilibrium **pressure** (prompt on “pressure”, “equilibrium”, or “bubble pressure”)

5. He began his military career under Napoleon, but resisted the installation of Joseph Bonaparte as king of Spain and went into brief exile in Jamaica and Haiti. He returned to military command, and following his last major victory at the Battle of Junin (“hoo-noon”) in 1824, he simultaneously held the presidency of three countries and wrote a notable constitution for a nation named after him. For ten points, name this South American liberator of Venezuela, Colombia, and other countries.

Answer: Simon **Bolivar**

6. *La Valse* (The Waltz) and *L'Âge mûr* (The Age of Maturity) are two among the few remaining sculptures from this artist. She is believed to have destroyed many of her works before she was confined to an asylum for the last three decades of her life. Mentioned by her first name in Franz Ferdinand's song *Outsiders*, she was also the sister of a famous French writer and diplomat. For ten points, name this sculptor who was known as the muse and lover of Auguste Rodin?

Answer: Camille **Claudel**

7. Canadian success at this event included three medals in swimming by Elaine Tanner, and a team equestrian gold. George Foreman won gold in boxing, Bob Beamon set a long jump record, and Dick Fosbury introduced his “flop” high jump technique to the world. Interestingly, several of the track and field records achieved here have an asterisk because of lower gravity and less air resistance. The most notable moment to American audiences was Tommie Smith’s and John Carlos’ Black Power salute on the podium. For ten points, identify this Olympics that was held in Mexico City.

Answer: **1968 Summer Olympics** or **19th Olympiad** (accept “Mexico City Olympics” until the last sentence; prompt on “1968 Olympics”)

8. Opening with “What’s it going to be then eh?” this novel was not considered by its author to be his best work, though it is the one he is known for. The novel explores a nihilistic future in which drugs are sold in milk bars to placate the masses and gangs of fifteen-year-olds rape and murder for fun. Frequently considered a hard read, the novel is written in a mix of English and Slavic words which is named Nadsat. For ten points, name this Anthony Burgess novel, also a famous Stanley Kubrick film, that follows Alex and his droogs.

Answer: **A Clockwork Orange**

9. Jennifer Wright, founder of this company, was not impressed with the sudden spike in traffic to their website on June 19. Established in Toronto in 2001, its biggest business deal up until recently was partnering with the Tragically Hip to supply their concerts with corn-based plastic cups. They provide biodegradable packaging to many small companies, some of whom sent complaints about this company’s apparent partnership with a major political party. For ten points, name this environmental consulting firm that is pursuing legal action against the Liberal Party because of infringement over using their name for a carbon tax plan.

Answer: **Green Shift**, Inc. (adding a “the” at the front is wrong)

10. This technology was a successor to ZEEP, NRX, and NRU in Canada. The 43-tube CANFLEX bundles will likely be replacing the 37-tube models used for fuel in these devices, which are found primarily in Canada, while other countries prefer light water designs. Its main advantage is the ability to use natural fuel, beneficial since Canada does not have enrichment facilities. For ten points, name this type of reactor that uses uranium moderated and cooled by heavy water.

Answer: **CANDU** reactor (accept “heavy water reactor” until the last few words)

11. At his birth, his mother, Philyra, rejected him because of his hideous appearance. Through Chariclo, he may be the father of Endeis, who is the grandmother of Achilles. After being accidentally poisoned by Heracles, he chose to give up his immortality, one of the few Greek figures to choose to do so. He was a healer and teacher, and very wise compared to others of his race. For ten points, name this tutor of Achilles who was one of the most famous centaurs.

Answer: **Chiron** [“kye-ron”] (not Charon, who is completely different)

12. He was believed to have been in Valencia when Columbus stopped by during the return from the 1492 voyage, which may have inspired him to sail across the ocean. Already an experienced mariner and trader in Lebanon and Mecca, and he got as far as Iceland on his first Atlantic voyage. He used Britain as his base of operations because he believed that traveling at northerly latitudes would shorten the distance to China. For ten points, name this explorer on the *Matthew* that landed on Newfoundland in 1497.

Answer: Giovanni (or John) **Caboto**

13. British Member of Parliament Iain Macleod is thought to have coined the term in 1965, describing it as "the worst of both worlds". Generally caused by an increase in production costs, such as the oil price crises of the 1970s, this economical phenomenon contradicts the Phillips curve and provides a challenge to the Keynesian anticyclical monetary policy. For ten points, which macroeconomical concept describes a state of inflation paired with slow economic growth and high unemployment?

Answer: **stagflation**

14. Features of the northern regions of this state include Daintree National Park and Cooktown, the last town on the highway system before 500 km of wilderness north to the Torres ["Tore-ress"] Strait. The southeast is more developed, with a booming beach tourism industry and Q1, the tallest residential building in Australia. Most of the state is in a dry climate, but nearly everyone lives along the eastern coast in cities such as Townsville, the Gold Coast, and Cairns. For ten points, name this state with its capital at Brisbane.

Answer: **Queensland**

15. This play's action reflects its title, as the main character never leaves the stage except when attending a party with her husband. Among the cast are Mrs. Linde and a syphilitic doctor who has always loved the main character. While performing a frantic tarantella dance, Nora seems to lose control, but her life is also unraveling as she is blackmailed about forging her father's name. For ten points, name this Ibsen play that explores the female persona and her imprisonment.

Answer: **A Doll's House**

16. During the 2006 Israel-Lebanon war, her statement about the need to use proportionate force and prevent unnecessary suffering of civilians was contested by supporters of the Israeli position. A graduate of the Université de Montréal and the University of Ottawa, she was a justice of the Supreme Court of Canada between 1999 and 2004. A movie titled *Hunt for Justice* was based on her role as Chief Prosecutor of War Crimes before the International Criminal Tribunal. For ten points, identify this former UN High Commissioner for Human Rights who ended her mandate on July 1, 2008.

Answer: Louise **Arbour**

17. Before the development of CFCs, ammonia and this gas were the two major refrigerants used in compression refrigeration. It is produced in the first step of the Claus reaction, then later consumed for making elemental sulfur. As a preservative, it is often found in wine, where labels may advertise that they are free of a byproduct of this gas. Having three resonance structures in a bent molecular shape, for ten points, identify this significant pollutant that can react with water to make sulfurous acid and sulfites.

Answer: **sulfur dioxide** or **SO₂** (prompt on "SO-x" or "sulfites")

18. This metaphysical and religious concept was dismissed by philosophers such as Arthur Schopenhauer, who claimed it merely introduces a superfluous synonym for the universe. It rejects the division between God and the natural world by considering them as two parts of the same entity. Many proponents of this view, such as Albert Einstein and Baruch Spinoza, also believe in a strictly deterministic universe where free will is an illusion. For ten points, name this concept which literally states that "everything is God".

Answer: **Pantheism**

19. While working in Seattle, he created one of his first paintings, *Self portrait after a day in Tacoma*. When at an engraving company, he partnered with Albert Robson, who mentored this artist as he made *Drowned land* and *A northern lake*, which won a prize from the Ontario government. Over a period during WWI, his sketches in a park were turned into notable paintings like *The west wind* and *Northern river*. For ten points, name this painter of *The Jack Pine* who mysteriously drowned in Algonquin Park.

Answer: Tom **Thomson**

20. One of the first major kingdoms of this country was the Mataram, in power from the 8th century until a split in 1045 into the Kediri and the Janggala. The Kediri dominated, and developed a strong culture based on Buddhism, particularly in written works. Islam reached the region in the 13th century, and is still the majority religion today. The Portuguese established some colonies in the area, but the Netherlands had the greatest presence up until WWII. For ten points, name this Asian country that was led after its independence by Sukarno, Suharto, and now Yudhoyono.

Answer: Republic of **Indonesia**

21. Danielli and Davson once proposed that these structures have open pores, but it was later discovered that large specialized proteins, such as aquaporins, perform a similar function. Scramblase is believed to exist in this structure, and most natural cholesterol is found here. Consisting of a phospholipid bilayer, for ten points, identify this structure that surrounds the cytoplasm and regulates the exchange of material in and out of a cell.

Answer: **cellular membrane** (accept “phospholipid bilayer” until mentioned)

22. One of the first novels from this country, *Amalia*, was written by José Marmol. The late 19th century drew attention to the nation’s writers, particularly with José Hernandez’s epic poem *Martin Fierro*, which was part of the *gauchesca* movement. Poetry flourished during the “generation of 1937”, an echo of Spain’s “Generation of ‘27”. Modern writers include Guillermo Martinez and Manuel Puig. For ten points, name this South American country whose most famous literary export was Jorge Luis Borges [“bohr-guess”].

Answer: **Argentina**

23. In 1911, he left his native Sardinia to study literature at the University of Turin. A few years later, he would leave academia in favor of a greater involvement in the Italian Socialist Party, most notably as a political commentator in the party's newspaper, *Avanti*. As secretary general of the Italian Communist Party, he would be sent to jail by the Mussolini-led government in 1926, where he spent the last eleven years of his life, producing the writings for which he is better known. For ten points, which political theorist developed the concept of cultural hegemony in his *Prison Notebooks*?

Answer: Antonio **Gramsci**

24. One of his first roles was as Private Miller in HBO’s *Band of Brothers*, but he mostly held parts in British theatre until 2005. Quizbowlers may remember him for his character’s exploits on “University Challenge” in *Starter for 10*, which got him a “Rising Star” award at the BAFTAs. He captured several award nominations for his role in *Atonement* last year, and became recognizable in North America after playing Mr. Tumnus in *The Chronicles of Narnia*. For ten points, name this Scottish actor who plays lead character Wesley Gibson in *Wanted*.

Answer: James **McAvoy** [“MACK-a-voy”]

Bonuses

1. Their reign saw legislative reform and territorial gains in Italy. For the stated number of points:

- A. [5,5] The Byzantine Empire flourished in the 6th century under the rule of this emperor and his wife. Name them for five points each.

Answer: **Justinian** I and **Theodora** (Justinian's number can be omitted in the answer)

- B. [10] Justinian faced a revolt in 532 that began at a chariot race between the Blue and Green teams. Name this major riot for ten points.

Answer: **Nika** riots

- C. [10] For ten points, damage from the Nika riots forced this landmark of Constantinople to be rebuilt.

Answer: the **Hagia Sophia**

2. Along with oxygen and nitrogen, it can form part of a hydrogen bond. For ten points each:

- A. [10] Name this very electronegative element.

Answer: **fluorine** (prompt on "F", do not accept "fluoride")

- B. [10] Gaseous fluorine can be produced from the electrolysis of this simple etching acid that is extremely reactive with skin and bone.

Answer: **hydrofluoric acid** or **Hydrogen Fluoride** (do not accept "hydrofluorous acid")

- C. [10] A hydrofluoric acid burn should be immediately treated with a gel containing this mineral.

Answer: **calcium gluconate** or **calcium chloride (CaCl₂)** (prompt on "calcium")

3. The poem is said to be based on real rivaling families. For ten points each:

- A. [10] Name Alexander Pope's famous mock-heroic poem in which some of Belinda's hair is cut.

Answer: *The **Rape of the Lock***

- B. [10] Who cut Belinda's hair?

Answer: the **Baron**

- C. [10] What is Belinda's hair transformed into near the end of the poem?

Answer: a **star** (or a **constellation**)

4. (remove the attached pictures of buildings) For each description and picture, name the Canadian skyscraper *and* its architect, for 10 points for one answer and 15 for both.

- A. [10/15] This 46-storey skyscraper was the tallest in the country from 1962 to 1964, and its namesake mall is the central point of the largest underground complex in the world. This cross-shaped building is located between Cathcart, Mansfield, and University streets, as well as René-Lévesque Boulevard in Montréal.

Answers: 1, **Place Ville-Marie** (building) and Ieoh Ming **Pei** (architect)

- B. [10/15] With 56 storeys, the largest tower of this complex was the tallest skyscraper in Canada from 1967 to 1972. The complex's courtyard was named after jazz pianist Oscar Peterson in 2004. It is located between Wellington, King, and Bay streets in Toronto.

Answers: **Toronto-Dominion Centre** and Ludwig **Mies van der Rohe** (prompt on partial last name)

5. For ten points each, identify the following terms related to defamation law.

- A. [10] While libel is defined as a defamatory statement expressed in a written medium, this word represents a defamatory statement expressed in speech.

Answer: **slander**

- B. [10] This defence can be used against a defamation lawsuit if the contested statement is an opinion that a reasonable person could honestly hold based on the known facts.

Answer: **fair comment** (not "fair game")

- C. [10] This acronym describes a situation where a person or company appears to be using defamation law to silence their critics through the fear of high legal costs which the lawsuit's target cannot afford.

Answer: **SLAPP** (accept "strategic lawsuit against public participation")

6. Answer the following questions about treaties of the European Union, for ten points each.

- A. [10] Following the rejection of the proposed European Constitution by referenda in France and the Netherlands, which new European treaty was proposed in 2007?

Answer: Treaty of **Lisbon**

- B. [10] The Treaty on European Union, which is amended by the proposed Treaty of Lisbon, was signed in 1992 in which Dutch city?

Answer: **Maastricht**

- C. [10] In June 2008, the Treaty of Lisbon was rejected by 53% of voters in which country?

Answer: **Ireland**

7. This play centers on four main characters in Venice. For ten points each:

- A. [10] In which Shakespeare play does Iago mutter, "I hate the Moor"?

Answer: **Othello**

- B. [10] In *Othello*, who is the officer Iago makes Othello believe his wife is having an affair with?

Answer: Michael **Cassio**

- C. [10] What is the item Othello sees Cassio with that Othello originally gave to his wife?

Answer: a **handkerchief** (accept "a cloth")

8. She now has more *Billboard* top 10 singles than Elvis Presley. For ten points each:

- A. [10] Name this performer of hits such as "Material Girl", "Like a Prayer", and "Hung Up".

Answer: **Madonna** (accept "Ciccone", don't bother with "Esther" anymore)

- B. [10] Peaking at #3 earlier this earlier, this 37th top-10 song by Madonna was included in the *Get Smart* film.

Answer: **"4 Minutes"**

- C. [10] "4 Minutes" is found on this album, which also has appearances by Justin Timberlake and Kanye West.

Answer: **Hard Candy** (do not accept the tour "Sticky & Sweet")

9. Its geography is known as "areography" ["airy-og-raphy"] in reference to a Greek god. For ten points each:

- A. [10] Google Maps includes Arabia Terra as one of the locations you can see in this region.

Answer: **Mars** (specifically in Northern Mars. Ares is the Greek god reference)

- B. [10] To the west of Arabia Terra is this "bulge" containing three tall volcanoes

Answer: **Tharsis** Montes (Olympus Mons is not part of this area)

- C. [10] Just east of the Tharsis Montes is a series of deep canal-like canyons named after this NASA program.

Answer: **Mariner** (accept "Valles **Marineris**")

10. He successfully commanded the Battle of New Orleans during the War of 1812. For ten points each:

- A. [10] Name this man who went on to become President in 1828.

Answer: Andrew **Jackson**

- B. [10] Jackson had a falling out with this Vice President prior to the 1832 election over South Carolina's attempts to nullify federal laws.

Answer: John C. **Calhoun**

- C. [10] In his final year of office, Jackson replaced long-serving Chief Justice Marshall with this former Attorney General who would serve until the Civil War. He oversaw the Dred Scott decision.

Answer: Roger B. **Taney** ["tawny", but be lenient on pronunciation]

11. In this novel, Meursault is found guilty of murder. For ten points each:

- A. [10] In which Albert Camus novella does Meursault deal with the death of his mother in the opening lines?

Answer: **L'Etranger** (or **The Stranger** or **The Outsider**)

- B. [10] Who does Meursault have a liaison with and contemplate proposing to?

Answer: **Marie**

- C. [10] Who is Meursault visited by in prison while waiting to be executed?

Answer: a **chaplain** (accept "a priest")

12. For ten points each, answer the following questions about formal logic.

A. [10] Two binary logical operators have the property that any logical operator can be derived from that single operator. Name either of the two.

Answer: **Sheffer stroke** (or **NAND**) or **Pierce arrow** (or **NOR**)

B. [10] A logical system in which it is impossible to prove one statement and its negation is said to possess this property.

Answer: **consistency**

C. [10] Which classical law of logic states that either a statement is true, or its negation is true?

Answer: Law (or principle) of **excluded middle**

13. It makes up most of the composition of the earth's crust. For ten points each:

A. [10] Name this type of rock that includes all cooled forms of magma.

Answer: **igneous** rock

B. [10] This mafic extrusive igneous rock often forms columns when it cools, such as with the Giant's Causeway in Northern Ireland.

Answer: **basalt**

C. [10] Basalt is a major composition of lava tubes, which are formed from this hot smooth lava flow.

Answer: **pahoehoe** ["pah-ho-ay-ho-ay"]

14. Tchaikovsky composed three orchestral "overtures" in his lifetime. For ten points each:

A. [10] This overture, celebrating the Battle of Borodino, includes real cannons at special performances.

Answer: *"The Year **1812**" Festival Overture*

B. [10] Known for its sappy love theme that appears frequently in pop culture, Tchaikovsky composed a fantasy overture for this play.

Answer: **Romeo and Juliet**

C. [10] To celebrate the arrival of Alexander III's new bride, Tchaikovsky was commissioned to prepare a piece based on this nation's anthem, but it fell apart when Tchaikovsky tried to include the Russian anthem as well.

Answer: **Denmark** (accept "Danish anthem" or "Kong Christian")

15. The title character, or rather both of them, is a fiction. For ten points each:

A. [10] Name this play in which Jack and Algernon portray the title character to assist each other in social situations.

Answer: **The Importance of Being Earnest** (prompt on "Ernest")

B. [10] Name the author of this play.

Answer: Oscar **Wilde**

C. [10] As a baby, Jack was found in a railway station nestled in what item?

Answer: a **handbag** (the play specifically refers to "a handbag", so prompt on similar words)

16. It was developed by Canadian James Gosling for Sun Microsystems. For ten points each:

A. [10] Name this programming language that uses "classes".

Answer: **Java** (do not accept "JavaScript")

B. [10] Java, as opposed to C for example, is this type of language, in which multiple classes can be used at the same time for polymorphism and inheritance.

Answer: **object-oriented** (accept "OOP")

C. [10] The "inheritance" of object-oriented programming refers to the ability of a subclass to take on the properties of its parent class. What keyword is used in the subclass declaration to show that it is inherited from a parent?

Answer: **extends** (prompt on "extend"; "implement" is not quite right)

17. Like a character he plays on TV, he loves superheroes, and his comic book *Existing Earth* was nominated for an award before his comedy career bloomed. For ten points each:

A. [10] Name this comedian from Saskatchewan.

Answer: Brent **Butt**

B. [10] Butt is a writer and actor for this successful CTV show set in Dog River.

Answer: **Corner Gas**

C. [10] After four years in Canada, Butt managed to bring *Corner Gas* to the US, airing on this channel.

Answer: **WGN** America

18. Despite its name, only small areas of Italy were ever in its borders. For ten points each:

A. [10] Name this Catholic empire founded by Charlemagne that covered much of modern-day Germany.

Answer: **Holy Roman** Empire (“Roman” alone is wrong)

B. [10] The Holy Roman Empire was somewhat unique in that emperors received votes from electors before being crowned. One influential electorate was this region that surrounds Berlin.

Answer: Margraviate of **Brandenburg** (accept “Brandenburg-Prussia”)

C. [10] The Empire dissolved in 1806. This man of the Hohenzollern family was the last Elector of Brandenburg, and was King of Prussia during the Napoleonic years.

Answer: **Frederick William IV** of Brandenburg or **Frederick William III** of Prussia (prompt on partial name)

19. The Japanese are known for their decorative plant arrangements. For ten points each:

A. [10] This art of flower arrangement is typically quite minimal, accenting only 2 or 3 flowers.

Answer: **Ikebana** [“ee-keh-bah-nah”]

B. [10] In this practice, trees are pruned in containers to take on different shapes and sizes.

Answer: **Bonsai** (but not “banzai”, which is a battle cry)

C. [10] Zen gardens, or karesansui, are dominated by this feature.

Answer: **rocks** or **sand** (accept equivalents, but not synonyms of “dirt”)

20. It is described in the book of Genesis, chapter 11. For ten points each:

A. [10] Name this structure people built to reach the heavens that ultimately resulted in the workers speaking different languages.

Answer: **tower of Babel** (accept a reference to a tower in “the city”)

B. [10] This ruler was believed to have ordered the construction of the tower. His name, meaning “hunter”, is now synonymous with stubborn or annoying people.

Answer: **Nimrod**

C. [10] The actual tower of Babel may have been a ziggurat dedicated to this god of Babylon that was the son of Ea [“eh-ah”].

Answer: **Marduk**

21. Identify these parts of the DNA molecule for ten points each:

A. [10] The nitrogenous bases of DNA are cytosine, guanine, thymine, and this purine that bonds with thymine.

Answer: **adenine** (accept “adenosine”)

B. [10] Each base bonds with this sugar in the DNA molecule.

Answer: **deoxyribose** (do not accept “ribose”, prompt on “pentose” or “C₅H₁₀O₄”)

C. [10] Several processes require the hydrogen bonds between base pairs in DNA to be broken. What enzyme performs the “unzipping” of the molecule?

Answer: **helicase**

22. It has a prefecture all to itself. For ten points each:

A. [10] Name this Japanese island whose southern town Toyako hosted the 2008 G8 summit.

Answer: **Hokkaido**

B. [10] This city on Hokkaido is one of the largest in the world not to have an airport capable of serving anything other than propeller aircraft. Despite this, it managed to host an Olympics.

Answer: **Sapporo**

C. [10] Sapporo's air traffic is served by this city to the south. The route between this city and Tokyo is the busiest passenger route in the world, with over 100 flights daily.

Answer: **Chitose** ["chee-toh-say"]

23. During the March 17th federal by-elections, the Liberal Party managed to hold three of the four contested seats. Given a riding, name the outgoing and incoming Liberal MP, for five points each:

A. [5,5] Toronto Centre

Answers: Bill **Graham** and Bob **Rae**

B. [5,5] Willowdale

Answers: Jim **Peterson** and Martha **Hall Findlay**

C. [5,5] Vancouver Quadra

Answers: Stephen **Owen** and Joyce **Murray**

24. Its ruins were discovered in southern Pakistan in the 1920s. For ten points each:

A. [10] Name this ancient Indus Valley city that is now a World Heritage Site.

Answer: **Mohenjo-Daro** (accept "Mound of the Dead")

B. [10] Mohenjo-Daro was an administrative city in the 2000s BC along with this other large city upstream that sometimes lends its name to the civilization.

Answer: **Harappa**

C. [10] Like the Gandhara grave culture, this successor civilization to the Harappan, named after a burial site, began cultivating rice and moved deeper into India before the Vedic period.

Answer: **Cemetery H**

Picture for bonus 4, part A



Picture for bonus 4, part B

