

Round 9

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Tossups

(1) **This ruler created a parliament called the Zemsky Sobor in 1549. Three people claimed to be this ruler's dead youngest son, Dmitri, during the Time of Troubles. Peasants were terrorized and the city of (*) Novgorod was sacked by the Oprichniki, this ruler's secret police. This man the epithet "Grozny" from acts like beating his own son to death. For ten points, name this first Tsar of All Russia, known as "the Terrible."**

ANSWER: Ivan the Terrible (accept Ivan IV Vasilyevich; accept Ivan the Fearsome, Ivan the Awesome, or anything similar; accept Ivan Grozny)

(2) **A Daniell [dan'll] cell was a historical example of these devices, many of which still function using a combination of sulfuric acid and lead sulfate. Demand for these devices for decarbonized power grids has driven up the cost of copper, cobalt, and (*) lithium. These devices, which are essentially galvanic cells, "discharge" by allowing ions to flow through an external circuit. For ten points, name these devices that store electrical energy in convenient 9-volt containers.**

ANSWER: batteries (accept battery; accept galvanic cell or voltaic cell until "galvanic cells" is read)

(3) **This religious figure tricks both Abimelech and an unnamed pharaoh into believing that his wife is his sister, and tries to defend the cities of Sodom and Gomorrah against God's wrath to protect his nephew, (*) Lot. This biblical man begins the tradition of male circumcision as part of a covenant with God in which he and his wife receive new names. For ten points, name this biblical patriarch, the husband of Sarah, who became the father of Isaac late in his life.**

ANSWER: Abraham (accept Abram; accept Ibrahim)

(4) **An argument in this play peaks with the cry "DAMN ALL THE EGGS THAT EVER WAS!" In this play, Willy runs off with Walter's money, ending his dream of owning a liquor store, and Lena keeps the rest of a life insurance pay-out to make a (*) down payment on a house in Clybourne Park. A Langston Hughes poem about a dream deferred provides the title of, for ten points, what play by Lorraine Hansberry about the Younger family's move to a white neighborhood?**

ANSWER: A Raisin in the Sun

(5) **The infinite Wallis product equals half of this value, and Euler [oiler] proved that the Basel problem's solution was this value squared over six. The Tau Manifesto recommends replacing this value in most formulas with twice its value. Mario Lazzarini infamously cheated the (*) Buffon's needle experiment to "approximate" this value as 355 over 113. The area of a circle divided by the square of its radius equals, for ten points, what irrational number that is approximately equal to 3.14?**

ANSWER: pi

(6) **This country controls the mouth of the Douro River, which flows well south of the town of Braganza. A tsunami flowed up this country's Tagus River during a deadly 1755 (*) earthquake. The fortified wines "port" and "Madeira" are named for a city and an autonomous region of this country, which also controls the Azores in the north Atlantic. For ten points, name this country that controls the southwest tip of the Iberian peninsula and has its capital at Lisbon.**

ANSWER: Portugal (accept Portuguese Republic)

(7) **This character's daughter is sentenced to being entombed alive in a cave because she scattered earth over the corpse of her brother, Polynices [poly-NIGH-sees]. Tiresias [ti-REE-see-us] reluctantly advises this ruler that he is the uncaptured murderer of the previous king of (*) Thebes. The riddle of the Sphinx was solved by this man, whose response to the death of Jocasta is to blind himself. A trilogy by Sophocles is about, for ten points, what ancient Greek figure who killed his father and married his mother?**

ANSWER: Oedipus (accept Oedipus Rex)

(8) **In this country, Jeannette Thurber invited a Bohemian composer to direct the National Conservatory, where he worked with Harry Burleigh. The pentatonic music of some of this country's folk traditions inspired an 1893 symphony whose Largo movement was adapted into (*) "Goin' Home," a spiritual. For ten points, name this country where visiting Czech composer Antonin Dvorak [d'VOR-zhock] learned Black spiritual music and wrote the *From the New World* symphony.**

ANSWER: US (accept USA; accept either underlined portion of United States of America)

(9) **This figure, who was known as "Detroit Red" in his youth, controversially used the phrase "chickens coming home to roost" to describe the death of John F. Kennedy. This man collaborated with (*) Elijah Muhammad until he broke with the Nation of Islam, whose members assassinated him in 1965. Martin Luther King's nonviolence was criticized by, for ten points, what Black activist who replaced his last name with a single letter?**

ANSWER: Malcolm X (accept Malcolm Little; accept El-Hajj Malik el-Shabazz)

(10) **Benjamin Constant challenged this philosopher by suggesting it is actually OK to lie to a murderer about the location of their target. This thinker sought to improve on the Golden Rule in his (*) *Groundwork of the Metaphysics of Morals*. The categorical imperative to act only if your behavior should be a universal law was described by, for ten points, what German Enlightenment philosopher who wrote the massive *Critique of Pure Reason*?**

ANSWER: Immanuel Kant

(11) **The flatness problem challenged this theory. Although the Belgian priest George Lemaitre [le-MET] first proposed this theory, it was not a mainstream idea until Fred Hoyle's steady-state model was disproven. The (*) cosmic microwave background is strong evidence in favor of this theory, which predicts that cosmic inflation must have occurred 13.8 billion years ago. For ten points, name this theory which proposes the universe rapidly expanded from a small hot center.**

ANSWER: Big Bang theory (prompt on descriptions like "the beginning of the Universe")

(12) **In August 2022, a post on r/DynastyFF [“r slash dynasty f f”] speculated that this follower of Alex Guerrero was taping FOX’s *The Masked Singer* during his indefinite, unexplained absence. In October 2022, this man and (*) Gisele Bündchen each hired divorce lawyers, possibly because this man only lasted forty days in retirement. Tight end Rob Gronkowski had an on-and-off working relationship with, for ten points, what Tampa Bay Buccaneers quarterback who has won a record seven Super Bowls?**

ANSWER: Tom Brady (accept Thomas Edward Patrick Brady, Junior)

(13) **In this desert, a 2012 war for the independence of Azawad was fought between Amadou Toumani Touré’s [too-RAY’s] army and groups of the nomadic Tuareg people, who have managed (*) trade routes through this desert for centuries. The Polisario Front contests a territory named for this desert in the Maghreb, west of Mauritania. Boko Haram, which is based in Nigeria, has occasionally attacked north into the Sahel and, for ten points, what largest desert in Africa?**

ANSWER: Sahara Desert (prompt on descriptions of northern Africa)

(14) **Diabetics are particularly susceptible to a disease in which this body part’s drainage angle remains open, leading to a buildup of aqueous humor. Conjunctivitis inflames part of this organ, which is also affected by (*) astigmatism. Other parts of this organ are affected by macular degeneration and cataracts in the lenses. For ten points, name this sensory organ in which glaucoma is a leading cause of blindness.**

ANSWER: eye (accept lens; accept cornea; accept retina)

(15) **In a short story by this author, former party-boy Charlie Wales tries to regain custody of his daughter, Honoria. Percy Washington shows John Unger the source of his family fortune in another work by this author of the short stories (*) “Babylon Revisited” and “The Diamond as Big as the Ritz.” For ten points, name this author who also contrasted the rich and poor of the Jazz Age in novels like *The Beautiful and the Damned* and *The Great Gatsby*.**

ANSWER: F. Scott Fitzgerald (accept Francis Scott Key Fitzgerald)

(16) **The top-left corner of *Las Meninas* is the only time that Diego Velazquez painted this type of work. *The Broken Column*, which features a metal supportive corset and nails to represent a spinal surgery, is one of numerous paintings in this style by (*) Frida Kahlo. Norman Rockwell painted a “triple” one of these works in which the pipe-smoking subject is sitting at an easel, looking into a mirror. For ten points, name this kind of artwork that depicts its own artist.**

ANSWER: self-portrait (prompt on “portrait”)

(17) **Reflections off the armor worn by these figures is said to create the aurora borealis. One of these figures from the Völsunga Saga teaches Sigurd how to use magical runes, is burned on Sigurd’s funeral pyre, and is named (*) Brynhild. Because their name translates to “chooser of those who have been killed,” Freyja is often associated with these shieldmaidens. The mead in Valhalla is served by, for ten points, what female guides of the dead in Norse myth?**

ANSWER: valkyries

(18) **At this battle, John Pitcairn died in the arms of his son while assaulting American trenches. Despite being a Major General, Joseph (*)** Warren fought alongside American privates and died at this battle, after which his body was mutilated. Israel Putnam may or may not have said “don’t fire until you see the whites of their eyes” at, for ten points, what 1775 Revolutionary War battle in Boston that was, actually, mostly fought on Breed’s Hill?

ANSWER: Battle of Bunker Hill (prompt on “Siege of Boston” before “Boston” is read)

(19) **Synchrotrons are sources of this type of electromagnetic radiation. Because this type of radiation has wavelength of about an angstrom, it diffracts around atomic nuclei. The first (*)** Nobel Prize in Physics was awarded for the discovery of this type of radiation by Wilhelm Roentgen. Radiation in this part of the spectrum has a higher frequency than UV and lower than gamma rays. For ten points, name this type of radiation used mainly in medical imaging.

ANSWER: X-ray radiation

(20) **In this book, a character who looks forward to learning the other 22 letters of the alphabet is taken away by Alfred Simmonds from Willingdon. Mr Frederick and his men blow up a windmill in this work, in which a (*)** commandment reads “some [...] are more equal than others.” Boxer is sold to a glue factory and Napoleon and Snowball are four-legged rivals in, for ten points, what novella by George Orwell in which the pigs create a Soviet-style dictatorship?

ANSWER: Animal Farm

Bonuses

(1) Ancient historians offer plenty of far-fetched tales. For ten points each,

A popular legend claims that in this city-state, a rival of Athens, children who were deemed unfit to survive were thrown over a cliff. That story is attested by Plutarch, but not by anyone else from the time; modern scholars now think Plutarch was either wrong or just making it up.

ANSWER: Sparta

This author of the *Histories* claimed that in India, there are dog-sized ants that dig gold dust out of the sand and devour camels whole. Even with ridiculous stories like that, this man is considered the “Father of History.”

ANSWER: Herodotus

Herodotus claimed that the Persian army at this 480 BCE battle included more than 1.5 million troops, which...isn't likely, to say the least. He does correctly report the total number of Spartans at this battle: three hundred, all of whom died defending a mountain pass.

ANSWER: Battle of Thermopylae

(2) The carcasses of these animals provide biodiverse deep-sea habitats for animals that need a food source that can last for years. For ten points each,

Name these general type of marine mammals that includes the largest animals on the planet.

ANSWER: whales (accept blue whales or any other type of whale)

Bottom-feeders in the ocean not lucky enough to run into a whalefall may instead feast on this stuff, organic matter that falls from the upper layers of the ocean down to the abyssal level. It may include phytoplankton.

ANSWER: marine snow (prompt on partial answer)

Predators of the deep may alternatively rely on sophisticated mechanisms for hunting. One example is the anglerfish, which relies on a symbiotic bacteria to generate this phenomenon and lure in other fish.

ANSWER: light (accept bioluminescence)

(3) Some alternative, less-official names for this shape include diamond and lozenge, which some textbooks use for examples with specific angle measures. For ten points each,

Give this term for a quadrilateral whose four sides are all the same length.

ANSWER: rhombus (prompt on “equilateral (quadrilateral)”)

A square is a special type of rhombus with an extra requirement. In a rhombus, each pair of opposite angles must have this relationship, but in a square, all four angles must have this relationship to each other.

ANSWER: congruency (accept word forms like congruent)

Because a rhombus has pairs of congruent opposite sides, a rhombus is a parallelogram. A rhombus also has pairs of congruent *adjacent* sides, which makes it this type of quadrilateral that shares its name and general shape with a common toy.

ANSWER: kites

(4) In this novel, a woman temporarily named Offred plays an illegal game of Scrabble with Fred, the Commander to whom she has been assigned. For ten points each,

Name this novel set in the Republic of Gilead, in which fertile women are rented out to produce children.

ANSWER: The Handmaid's Tale

This Canadian author wrote *The Handmaid's Tale*, as well as the post-apocalyptic novel *Oryx and Crake*.

ANSWER: Margaret Atwood (accept Margaret Eleanor Atwood)

Atwood wrote *The Testaments*, a sequel to *The Handmaid's Tale*, to provide a backstory for Lydia, a woman with this profession. In Gilead, these women train the Handmaids.

ANSWER: Aunts (accept specific ones like Aunt Lydia)

(5) This leader resigned in 2022 amidst a sexual misconduct scandal of one of his colleagues, Chris Pincher, and a major cost of living crisis. For ten points each,

Name this former mayor of London who stepped down as British Prime Minister in September 2022.

ANSWER: Boris Johnson (accept Alexander Boris de Pfeffel Johnson)

Johnson was succeeded as British Prime Minister by this woman. Two days before Queen Elizabeth II died, she appointed this woman as Prime Minister at Balmoral Castle.

ANSWER: Liz Truss (accept Mary Elizabeth Truss)

Almost immediately after taking power, Truss's government announced a tax cut that was so controversial, this international organization told the UK to reconsider. The World Bank and this arm of the United Nations are largely considered the two most important international financial institutions.

ANSWER: International Monetary Fund (accept IMF)

(6) Name some of Shakespeare's best-known villains who are also the title characters of the plays in which they appear, for ten points each.

The title character in this "Scottish Play" conspires with his wife to murder King Duncan and briefly claim the throne of Scotland.

ANSWER: Macbeth (accept The Tragedy of Macbeth)

In this history play, the title king of England says he is "determined to prove a villain" because of the abuse he has suffered for his hunched back. He orders the death of the Princes in the Tower, his nephews.

ANSWER: Richard III [third] (accept The Tragedy of King Richard the Third; accept The Life and Death of Richard the Third)

This play's title character, named Antonio, ends this play happily, having helped his friend Bassanio marry Portia, but he is often played as the villain for his poor treatment of the Jewish moneylender Shylock.

ANSWER: The Merchant of Venice

(7) After the construction of the Bank of China tower, which did not follow the principles of this practice, a nearby building installed cannon-like cranes on its roof to combat its negative energy. For ten points each,

Name this long-standing Chinese practice of using classical elements and directional forces to create harmony between humans and their environment. Its name literally means “wind-water.”

ANSWER: **feng shui**

Feng shui [**fong shweh**] attempts to balance these two forces. One is a cold, passive, feminine force, and the other is a warm, active, masculine force. They are represented as swirling black and white in a common symbol.

ANSWER: **yin** and **yang** (both underlined parts required; accept **yin-yang**)

Feng shui’s directional principles are tied to representations of four animals: a bird, a tiger, a tortoise, and one of these mythical creatures. These creatures are associated with rain in Asian cultures, but supposedly breathe fire in European stories.

ANSWER: **dragon** (accept **long** or **lung**; accept the Azure **Dragon** or **Qinlong**)

(8) Clarence Darrow, the defense lawyer in this trial, actually told the jury “We do not see how you could” return a verdict of not guilty, as one purpose of the trial was to bring a law to a higher court. For ten points each,

Name this 1925 case, brought by the state of Tennessee against a teacher who violated the Butler Act.

ANSWER: **Scopes** trial (accept **Scopes** Monkey Trial; accept Tennessee v. John Thomas **Scopes**)

The Scopes Monkey Trial concerned Scopes’ illegal teaching of this scientific concept, as described by Charles Darwin and other biologists.

ANSWER: **evolution** of humans from other primates/apes/etc. (accept **natural selection**)

The prosecution’s legal team included this orator who gave the “Cross of Gold” speech, ran unsuccessfully for President three times, and was called to the stand during the Scopes trial to be questioned on the Bible.

ANSWER: William Jennings **Bryan**

(9) Americans involved in this art movement included Lucy Bacon, who studied under Camille Pissarro, and Mary Cassatt, who exhibited with Edgar Degas [**day-GAH**] in Europe. For ten points each,

Name this 19th century art movement whose paintings were often quickly created *en plein air* to capture the essence of a particular setting of light.

ANSWER: **Impressionism** (accept word forms like **Impressionist**)

The Impressionism movement was born in this European country, the home country of Degas and Pierre-Auguste Renoir [**ren-WAHR**].

ANSWER: **France** (accept **French** Republic; accept La **France**; accept République **française**)

The painting that inspired the name of the movement, *Impression, Sunrise*, was painted by this Frenchman. His flowing and somewhat blurry style may have partially been the result of his cataracts.

ANSWER: Claude **Monet** [**mo-nay**] (accept Oscar-Claude **Monet**; do not accept or prompt on “Manet”)

(10) A carbon atom must be bonded to this many different groups for it to be chiral. For ten points each, Give this number, which is also the number of covalent bonds that carbon atoms form in organic chemistry.

ANSWER: four

When carbon forms a double bond, it won't be chiral, but it might still be able to form two isomers. Those isomers will be labelled with these two Latin prefixes, roughly meaning "same side" and "opposite side."

ANSWER: cis and trans (both required; prompt on partial answers)

Most chiral molecules are centered on a carbon atom with a tetrahedral geometry and this type of orbital hybridization.

ANSWER: sp³ hybridization

(11) The original incarnation of this character is called at 3 AM by a man whose wife steals the phone and asks "What are you wearing?"; he responds "Uh, khakis." For ten points each,

Name this fictional spokesman who was recast in 2020 and is now played by Kevin Miles in ads promoting the "Discount Double-Check" and other insurance products.

ANSWER: Jake from State Farm

This Green Bay Packers quarterback and ayahuasca [aye-ah-WAHS-ka] enthusiast has appeared in numerous State Farm commercials. Indeed, this man has probably spent more time over the last several years on set with Jake from State Farm than with his estranged family.

ANSWER: Aaron Rodgers

In a 2022 State Farm Super Bowl commercial, Jake, Aaron Rodgers, and Patrick Mahomes complain about their stand-ins; Patrick Mahomes's "lookalike" is Paul Rudd, and Jake from State Farm's stand-in is this rapper, whose surprise 2022 album got mediocre reviews and was overshadowed by Beyonce's surprise album a month later.

ANSWER: Drake (accept Drake from State Farm; accept Aubrey Drake Graham)

(12) One of this man's greatest regrets was that the Italian government rejected his application to perform in the Roman Colosseum. For ten points each,

Name this 19th century showman whose *Wild West* show, featuring performances from Sitting Bull and Calamity Jane, toured America and the world for decades.

ANSWER: Buffalo Bill Cody (accept William Frederick Cody)

Buffalo Bill's finest performers included Wild Bill Hickok and this sharpshooter, who famously shot a smoking cigar from out of the mouth of her husband, Frank Butler.

ANSWER: Annie Oakley (accept Phoebe Ann Mosey)

In 1893, Chicago hosted one of these massive events that included the first ever Ferris Wheel. *Buffalo Bill's Wild West* was denied an opportunity to perform at this event; undeterred, he brought the tour to Chicago anyway.

ANSWER: World's Fair (accept World's Columbian Exposition; accept World Expo; prompt on "Fair" or "Expo(sition)" alone)

(13) This American author wrote about New England Puritans in “Young Goodman Brown,” a short story from the collection *Mosses from an Old Manse*. For ten points each,

Name this author, who also wrote about Puritans in *The House of the Seven Gables* and a novel about Hester Prynne.

ANSWER: Nathaniel Hawthorne

In this novel by Nathaniel Hawthorne, Hester Prynne is required to sew a red “A” onto her clothes after she gives birth to her daughter, Pearl, out of wedlock.

ANSWER: The Scarlet Letter

In another short story collection, *Twice-Told Tales*, Hawthorne wrote this short story, in which Reverend Hooper wears a mysterious symbol of his hidden sins.

ANSWER: The Minister’s Black Veil

(14) To be classified as this type of procedure, you must be guaranteed to get an output and stop the computation within a finite amount of time or steps. For ten points each,

Give this term for a set of instructions used to perform a computation. Computer programs for solving math problems are typically described by this word, but far simpler processes, long division, can be described by this word.

ANSWER: algorithms

This British mathematician, who was prosecuted in the 1950s for being gay after years of stellar work in the war effort, is the namesake of a hypothetical machine capable of carrying out any algorithm.

ANSWER: Alan Turing (accept Turing machine)

Turing and the team at Bletchley Park worked on this computational task. Their greatest success was the solving of the Enigma Cipher, after which German intelligence became compromised.

ANSWER: codebreaking (accept decrypting German messages; accept deciphering German messages; accept cryptanalysis; accept word forms and descriptions thereof)

(15) John Coltrane plays a poem, so to speak, on this instrument throughout the final movement of his album *A Love Supreme*. For ten points each,

Name this single-reed woodwind instrument. In a high school wind band, is typically the middle-sized member of its family.

ANSWER: tenor saxophone (prompt on “sax;” prompt on “saxophone;” prompt on “tenor”)

In smaller orchestras, a woodwind player may “double” by playing multiple saxophones, as well as this non-brass woodwind instrument. Swing musicians who focused on this instrument included Benny Goodman.

ANSWER: clarinet

While the alto saxophone is pitched in E flat, the tenor saxophone and clarinet are each pitched in this key. Music written in this note’s major key has two flats in the key signature.

ANSWER: B flat (accept B flat major; do not accept or prompt on “B” alone)

(16) This author wrote novels about Otto Lidenbrock, Pierre Aronnax, and Phileas Fogg in his *Extraordinary Adventures* series of novels. For ten points each,

Name this French author who wrote about Otto Lidenbrock taking a *Journey to the Center of the Earth*.

ANSWER: Jules Verne (accept Jules Gabriel Verne)

In a novel by Jules Verne, Pierre Aronnax and Ned Land are taken aboard Captain Nemo's submarine, and travel this title distance underwater.

ANSWER: **twenty thousand leagues** (accept **Twenty Thousand Leagues Under the Sea**; accept **Twenty Thousand Leagues Under the Seas**; accept **Vingt mille lieues sous les mers**: Tour du monde sous-marin)

In another Jules Verne novel, Phileas Fogg makes a bet that he can perform this feat in only eighty days.

ANSWER: travel **around the world** (accept equivalents like **circumnavigate** the globe; accept **Around the World in Eighty Days**; accept Le **Tour du monde en quatre-vingts jours**)

(17) Several Indian religions have a concept called *dharma*; in this religion, dharma is a form of righteousness taught by the 24 tirthankaras. For ten points each,

Name this Indian religion whose most recent tirthankara, Mahavira, lived over 2,500 years ago.

ANSWER: **Jainism** (accept **Jain** Dharma)

There are two main schools of Jainism: the "sky-clad" Digambara, whose monks have this dress code, and the "white-clad" Svetembara, who don't. In Christianity, Adam and Eve follow this dress code before the fall of man.

ANSWER: **nudity** (accept **nakedness**; accept descriptions of **not wearing clothes**)

Many Indian religions include a form of this concept, in which one's good or bad actions have a corresponding impact on one's future. In Jainism, this concept attaches to one's soul, either purifying it or tarnishing it.

ANSWER: **karma**

(18) Unlike most scientific scales that quizbowl will ask about, this one has special flags to indicate its dangerous conditions at its high end! For ten points each,

Name this scale that can extend to 17 in regions with typhoons, but typically ranges from 0, indicating calm wind, to 12, indicating winds of devastating force.

ANSWER: **Beaufort** wind force scale

Typhoons are devastating tropical storms that occur in the western Pacific; in the Atlantic Ocean, they're called this once they grow beyond tropical storm status.

ANSWER: **hurricanes**

The Beaufort scale's value of 12 begins at this minimum wind speed, in miles per hour. On the Saffir-Simpson scale, this is the maximum sustained wind speed of a tropical storm. We'll accept any answer within 3 miles per hour.

ANSWER: **73** miles per hour (accept any answer **between 70 and 76** mph, including **70** or **76** exactly)

(19) The Chakri Dynasty has been ruling this country since 1782, but a bloodless 1932 revolution transformed it from an absolute monarchy into a constitutional monarchy. For ten points each,

Give the modern name of this Southeast Asian country that is currently led by Vajiralongkorn [va-jee-ra-long-kon], who rules as Rama X [tenth].

ANSWER: Kingdom of **Thailand** (do not accept, prompt on, or reveal “Siam”)

In 1939, the country officially changed its name to Thailand from this name.

ANSWER: **Siam**

This capital city of Thailand was industrialized under Monkut and Chulalongkorn, who ruled as kings Rama IV and V [fourth and fifth].

ANSWER: **Bangkok** (accept **Krung Thep** Maha Nakhon)

(20) The financial crisis of 2008 scuttled plans to finish developing a series of artificial islands in the Persian Gulf, including one set in the shape of the world and several sets in the shape of this plant. For ten points each,

Name this tropical tree.

ANSWER: **palm** tree (accept **Palm** Islands; accept **Palm** Jumeirah, **Palm** Jebel Ali, or **Palm** Deira; accept **Areaceae**)

Oil revenue fueled the construction of the Palm artificial islands, which lie off the coast of this most populous city in the United Arab Emirates.

ANSWER: **Dubai**

Dubai’s Palm islands lie unfinished, but this tallest building in the world stands nearby and actually was completed in 2009.

ANSWER: **Burj Khalifa** (prompt on “Burj Dubai”)