

MSQB Madness II

Packet 3

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This page is empty to help people who wish to read these questions to themselves.

Tossups

1. **They're not gluons, but these particles can produce particle jets after undergoing hadronization in heavy-ion experiments. These particles are the first namesake of a type of plasma that was theorized to fill the universe 10 microseconds after the Big Bang. These particles cannot exist in isolation according to color confinement, and (*) strong force interactions between these particles are studied in quantum chromodynamics. These particles and their antiparticles form mesons, and three of these particles form baryons. For 10 points, name these elementary particles which exist in six flavors and compose protons and neutrons.**

ANSWER: **quarks** [accept **quark–gluon plasma**] <Science - Physics, Bodducherla> [Ed.]

2. **Tourists may jump off spray-painted rocks in this state's Lake Martin. This state contains the "Peanut Capital of the World," Dothan. The Talladega Superspeedway car racing track is located in this state, where the Tennessee River flows through Decatur. The U.S. Space and Rocket Center is located in this state's city of (*) Huntsville. The largest public university in this state is located in its city of Tuscaloosa. John Lewis was beaten on this state's Edmund Pettus Bridge, located in its city of Selma. For 10 points, what southern state is home to Birmingham and Montgomery?**

ANSWER: **Alabama** <Geography - US, Lenihan> [Ed. A. Gao/Sahgal]

3. **A group named for an artist from this movement "suck[ing] at painting" takes disgusted selfies in front of paintings like *Girls at The Piano*. An artist from this movement painted his wife half turning around in a field in front of a bright blue sky in *Woman With a Parasol*. Some paintings from this movement were done *en plein air*, including one depicting a cathedral under (*) changing light and one with fishing boats in front of the muted Le Havre harbor. An artist from this movement painted a Japanese footbridge over water lilies. For 10 points, name this art movement focused on capturing landscapes in moments, with artists like Claude Monet.**

ANSWER: **impressionism** [accept word forms] <Fine Arts - Visual, C. Gao>

4. **During this decade, a candidate gave an unemotional response to a question about supporting the death penalty if his wife was raped. John Anderson ran in an election during this decade, where the phrase "there you go again" was used during debates. In an ad from this decade, a candidate was accused of giving "weekend passes" to felons like Willie Horton. The "Morning in (*) America" ad ran during this decade. Lloyd Bentsen claimed Dan Quayle was "no Jack Kennedy" during a debate in this decade where one candidate promised "no new taxes." Michael Dukakis lost to George H.W. Bush in, for 10 points, what decade when Reagan was president?**

ANSWER: **1980s** [accept Election of **1980**, Election of **1984**, or Election of **1988**; prompt on **80s** or **84** or **88**] <History - American, A. Gao>

5. **This author wrote that "time, not Corydon" conquered Arthur Hugh Clough and described Oxford as the "sweet city with her dreaming spires." This author of a poem about a scholar who lives with the Roma and "Thyrsis" described the "melancholy, long, withdrawing roar" of the Sea of Faith in one poem. That poem by this author also described an "eternal note of sadness" that (*) "Sophocles...heard on the Aegean." This author ended a poem by describing a "darkling plain" where "ignorant armies clash by night" and opens by stating, "the sea is calm tonight." For 10 points, name this author of "Dover Beach."**

ANSWER: Matthew **Arnold** <Literature - British, Bodducherla> [Ed.]

6. **A holder of this role asked “was it a sixty-pound or eighty-pound bag” a person’s pygmy goat ingested before dying. Past tweets claiming “Nothing sadder than a hot person in a wheelchair” surfaced from a current holder of this role. Due to sexist comments while on a podcast, Mike Richards stepped down nine days after giving himself this role. As an April Fools’ Day joke, Pat Sajak (“say-jack”) held this role, who is announced by (*) Johnny Gilbert. After a November 2020 death from pancreatic cancer, Mayim Bialik and Ken Jennings held this role. For 10 points, name this role, which involves reading clues to contestants, held by people like Alex Trebek. ANSWER: host of Jeopardy! [both parts required; accept obvious equivalents like Jeopardy! host; prompt on host or person on Jeopardy! or answers describing someone on Jeopardy!; do NOT accept or prompt on answers indicating a “player” or “contestant”]** <Trash - A. Gao>

7. **This figure confronts a pair of scorpion-men before entering a long tunnel through Mount Mashu. This figure has dreams about an unliftable ax and a falling meteor, which are interpreted to represent the arrival of a companion by their mother, Ninsun. This figure ties stones to their feet and descends into the Waters of Death to retrieve a (*) plant giving eternal youth, but it gets stolen by a snake. This figure seeks to attain immortality from the flood survivor Utnapishtim (“oot-nuh-pish-tim”), and earlier travels to the Cedar Forest to fight the demon Humbaba along with Enkidu. For 10 points, name this King of Uruk and namesake of a Mesopotamian epic. ANSWER: Gilgamesh [or Bilgames] <RMPSS - Mythology, Bodducherla>**

8. **Parvalbumin and other proteins that bind to this ion typically contain a motif made of two alpha-helices linked by a short loop called an EF hand. This ion can be transported using L-type channels which are primarily activated by T-tubules. The binding of this ion to troponin allows for the binding of myosin with actin. The (*) sarcoplasmic reticulum stores this ion for release during muscle contraction. Inadequate Vitamin D levels decrease this element's absorption, which can lead to conditions like osteoporosis. For 10 points, name this element stored in teeth and bones. ANSWER: calcium [accept Ca or Ca²⁺; accept calcium ion] <Science - Biology, Bhattacharyya>**

9. **This man’s greatest military achievement was against the combined forces of Gellius (“jelly-ush”) and Clodianus at the Battle of Picenum (“pie-SEE-num”). The death of Crixus (“KRIK-suhs”) led to this man forcing prisoners of one side to fight each other to the death. This man was killed at the decisive Battle of Siler River. During a siege, this man’s army used vines to swiftly descend (*) Mount Vesuvius in a successful attack. While returning from Hispania, Pompey was ordered to engage this man who was defeated by Crassus during the Third Servile War. For 10 points, name this gladiator who led the largest Roman slave revolt. ANSWER: Spartacus <History - Ancient, Bhattacharyya>**

10. **An author from this country ended one novel with the unveiling of a statue of an explorer at a party. One author from this country wrote a novel imitating the Jerilderie letter’s style to describe its title outlaw’s “true history.” That author from this country also created two characters who make a bet regarding the transport of a (*) glass church to Bellingham. The authors of *Schindler’s Ark* and *Oscar and Lucinda*, Thomas Keneally, and Peter Carey, are from this country. For 10 points, name this setting of Patrick White’s novel *Voss*, which details a journey into the Outback. ANSWER: Commonwealth of Australia <Literature - World, Bodducherla/C. Gao> [Ed. C. Gao]**

11. In a ballet by this composer, a character responds “Who needs money? All that matters is love” when asked about spare change. Three “seduction games” appear in that ballet by this composer, *The Miraculous Mandarin*. This composer’s namesake pizzicato is included in “Six Dances in Bulgarian Rhythm,” part of their collection of 153 progressively difficult piano pieces titled (*) *Mikrokosmos*. In an opera by this composer, Judith finds a Lake of Tears in the sixth of seven doors she opens in the title location. This composer wrote folk melodies in collaboration with Zoltan Kodaly (“KOH-DIE”). For 10 points, name this Hungarian composer of *Duke Bluebeard’s Castle*.

ANSWER: Bela **Bartók** <Fine Arts - Auditory, Bodducherla> [Ed.]

NOTE TO MODERATOR: Read the answerline carefully before starting.

12. A speech given by a member of this party revealed documents were falsified in the Mingrelian (“meeng-reh-lee-in”) affair. A member of this party went against an earlier policy used to justify suppressing the Saur (“sour”) revolution in his Sinatra Doctrine. A leader of this party excused anti-Semitic actions by claiming a “doctor’s plot” opposed it. A member of this party’s (*) “Secret Speech” denounced the Great Purge that an earlier member of this party executed. A member of this party caused the Holodomor famine in Ukraine. Mikhail Gorbachev and Joseph Stalin led, for 10 points, what party represented by a hammer and sickle, which ruled the Soviet Union?

ANSWER: **Communist** Party of the Soviet Union [both parts required; or **CPSU**; accept Union of Soviet Socialist Republics or USSR in place of “Soviet Union”; accept obvious equivalents like Soviet Union Communist Party; accept **Communist** Party after “Soviet Union”; prompt on Communist Party with “of which country?” before “Soviet Union”; do NOT accept or prompt on “Bolsheviks” or “Russia Communist Party”] <History - European, A. Gao> [Ed. Macchi/C. Gao]

13. A partridge representing this figure was determined to be the oldest because he had excreted the seed from which a tree grew in the story of the four harmonious animals. This figure demonstrated the nature of suchness by silently holding a white flower during an assembly. Queen Maya envisioned a (*) white elephant shortly before the birth of this figure. After leaving Lumbini, this figure encountered an old man, a sick man, and a dead man as part of the “four sights.” This man explained how one can attain *moksha* and escape the cycle of *samsara* by following the Eightfold Path. For 10 points, name this man who was born as Siddhartha Gautama.

ANSWER: **Buddha** [accept **Siddhartha** or **Gautama** until read; accept **Shakyamuni** or **Amida**] <RMPSS - Religion, Bhattacharyya> [Ed. Khambekar]

14. This element’s “depleted” form is extremely dense and less radioactive, and is used in high-strength tank armor and ammunition. It’s not sulfur, but this element’s hexafluoride can undergo gaseous diffusion through a semipermeable membrane or gas centrifugation to isolate its isotopes, a process known as (*) enrichment. A form of radiometric dating named for this element and lead is based on its decay chain into lead-206 (“two-oh-six”). This element can be extracted from pitchblende or yellowcake powder, and it is the heaviest naturally occurring element. For 10 points, name this actinide element whose fissile 235 isotope is used to fuel nuclear reactors.

ANSWER: **uranium** [or **U**; accept **uranium-lead dating** or **u-pb dating**] <Science - Chemistry, Bodducherla> [Ed.]

15. **While in jail, the protagonist of this novel reads a newspaper article about a Czech man who was accidentally beaten to death by his family. After this novel's protagonist is called Mr. Antichrist by a magistrate who waves a silver crucifix at him, he claims that he doesn't believe in God. Characters in this novel often eat lunch at Celeste's cafe, and its protagonist hears (*) Salamano weeping after his dog runs away. This novel's protagonist attributes a crime to the reflection of sunlight off a knife and remarks, "Maman died today. Or yesterday maybe."** For 10 points, an Arab is shot on the beach by Meursault in what Albert Camus novel?

ANSWER: The Stranger [or L'Etranger or The Outsider] <Literature - European, Bodducherla> [Ed.]

16. **In this region, the "six martyred minister" orchestrated an assassination plot that led to the dissolution of a research academy. An inventor in this region created the first-ever rain gauge as part of their work at the Hall of Worthies. This region employed ships whose decks were covered in spikes and shaped like (*) turtles. Admiral Yi commanded this region's navy against two Japanese invasions in the Imjin War. A classical Chinese alphabet was replaced by Hangul in this region. Sejong the Great ruled this region as part of the Joseon Dynasty. For 10 points, name this East Asian peninsula historically governed from Seoul.**

ANSWER: Korea [or Korean peninsula; accept North Korea or Democratic People's Republic of Korea or DPRK or Choson-minjujuui-inmin-konghwaguk; accept South Korea or Republic of Korea or ROK or Taehan-minguk or Han'guk; anti-prompt on Joseon Dynasty] <History - World, Bhattacharyya> [Ed.]

17. **In this state, nooses were found at the construction site of an Amazon warehouse in Windsor. In this state's gubernatorial election, Mark Boughton endorsed this state's governor, who will face off against Bob Stefanowski. Representative Jahana Hayes and the Chair of the Appropriations Committee, Rosa DeLauro, are from this state. This state, governed by Ned (*) Lamont, is represented in the Senate by Richard Blumenthal ("blue-min-thal") and Chris Murphy. In a successful lawsuit, the gunmaker company Remington was forced to pay \$73 million to families affected by the Sandy Hook shooting in this state. For 10 points, name this state with capital at Hartford.**

ANSWER: Connecticut <Current Events - Lenihan> [Ed. A. Gao]

18. **In one of this author's plays, A, B, and C lament for each of their sons, who are only referred to as "the boy." In addition to *Three Tall Women*, this author wrote a play in which a character is called "Mousie" and is implicitly accused of forcing her husband to stay with her through a false pregnancy. The "Exorcism" section of that play by this author sees characters play "Bringing Up (*) Baby," then killing their fake son. In this author's most famous play, Martha responds to George by saying "I am" to the title question. For 10 points, what author wrote *Who's Afraid of Virginia Woolf*?**

ANSWER: Edward Albee [or Edward Franklin Albee III] <Literature - American, Lenihan> [Ed. C. Gao]

19. **This language's "20" version introduced three-way comparison with the "spaceship" operator. This language was criticized by people such as Ken Thompson and Linus Torvalds for its complexity. This language can use templates to create and define types. Bidirectional and random-access iterators are part of this language's (*) Standard Template Library. This language's input and output functions are implemented by using the keywords "cin" ("see in") and "cout" ("see out"). Bjarne Stroustrup ("buh-jar-nay strow-strup") is the creator of, for 10 points, what object-oriented programming language created as a superset of C?**

ANSWER: C++ ("C plus plus") [do not accept or prompt on "C"] <Science - Other, Lenihan> [Ed. A. Gao]

20. **On this island, tourists may climb to the top of a castle and lean over backward to kiss a stone for good luck. The Wicklow Mountains can be found on this island. One of this island's four provinces, Munster, is home to the densely forested Killarney National Park. The River Foyle flows through a city on this island, (*) Derry.** The area where this island's indigenous language is still widely spoken is known as the Gaeltacht (“**gale-talk**”). For 10 points, name this island shared by two countries with capitals at Belfast and Dublin.

ANSWER: **Ireland** [or **Éire**; do NOT accept or prompt on “Republic of Ireland”; do NOT accept or prompt on “Northern Ireland” or “Tuaisceart Éireann” or “Norlin Airlann”] <Geography - World, Lenihan> [Ed. A. Gao]