# WHAQ (Washington High Academic Questionfest) III: Miami Vice Edited by Jacob O’Rourke, David Dennis, Mike Etzkorn, Bradley McLain, Ashwin Ramaswami and Chandler West <br> Written by current and former members of the teams at Washington and Miami Valley; Aleija Rodriguez; Ganon Evans, and Max Shatan 

## Packet 2

## Tossups

1. This group collaborated with Fall Out Boy on a remix of the song "Irresistible." A member of this group repeats the title word 39 times in a row on this group's first Hot 100 hit, "Versace," ["ver-sah-chee"] and was featured on the Liam Payne song "Strip That Down." A different member of this group proposed to Cardi B on stage the same night as the release of this group's song (*) "Motorsport." "Rain drop, drop top, smoking on cookie in the hotbox" signal the beginning of this group's most popular song. For 10 points, name this Atlanta rap trio, which is comprised of Takeoff, Quavo, and Offset, whose biggest hit is "Bad and Boujee."
ANSWER: Migos <Trash> <Jonathan Amlong>/<ed. SP>/<ed. JO>
2. One character in this novel carries around a prized photograph of a Shetland pony. A writer in this novel dwells over an anecdote of teacup theft, which resulted in an execution by firing squad. A repeated phrase in this novel-- "So it goes"--is said after the deaths of $\left({ }^{*}\right)$ Edgar Derby and Roland Weary. The protagonist of this novel is kept in a zoo with Montana Wildhack by aliens shaped like toilet plungers called Tralfamadorians ["tra-fal-mah-door-ee-ins"]. Centering on a character who gets "unstuck in time" after witnessing the firebombing of Dresden is, for 10 points, what novel about Billy Pilgrim, written by Kurt Vonnegut ["vonn-uh-gut"]?
ANSWER: Slaughterhouse-Five, or The Children's Crusade: a Duty-Dance with Death <American Lit> <William Groger>/<ed. ME>
3. A meteorite hit or a volcanic eruption can cause the impact type of this process, which can turn quartz into coesite or stishovite. Pentti Eskola categorized the results of this process into facies ["FACE-eez"], each of which can be identified by an index mineral. This process results in a sequence of layering known as $\left({ }^{*}\right)$ foliation. Magmatic intrusions cause the contact type of this process. This process always begins with a protolith, and can produce rocks such as schist ["shist"], phyllite, and slate. For 10 points, name this process that transforms rocks under high temperatures and pressures. ANSWER: metamorphism [or word forms, such as "metamorphic;" do NOT accept or prompt on "metamorphosis"] <Other Science> <Ashwin Ramaswami>
4. In one myth about this deity, he engages in an insult contest with Harbard, who refuses to ferry him across a river. In another myth about this deity, he attempts to kill the giant Skyrmir after trying to spend the night in the giant's glove. This deity, who is accompanied by his servant Thialfi, loses a wrestling match to Elli, the personification of (*) old age. This god's most famous weapon wasn't finished because a gadfly bit Brokkr's eye, causing it to have a shortened handle. For 10 points, name this wielder of the hammer Mjolnir [" $m$-YOL-neer"], the Norse god of thunder.
ANSWER: Thor <Mythology> <William Groger>/<ed. JO>
5. A future prime minister of this country belonged to a group derisively nicknamed the "Stern Gang." In this modern-day country's capital, that organization assassinated Swedish diplomat Folke Bernadotte. Along with Lehi /"lee-high"/, another paramilitary group carried out the Deir Yassin ["dare yah-seen"] massacre in this modern-day country, although the Haganah criticized them for violating this country's "purity of arms" policy. The (*) Irgun ["air-goon"] ordered the bombing of the King David Hotel in this modern-day country's capital during the lead-up to its establishment as a Jewish state. For 10 points, name this modern-day country governed from Jerusalem. ANSWER: Israel [or State of Israel; or Medinat Yisrael; or Eretz Yisrael; prompt on British Mandatory Palestine; prompt on the British Mandate of Palestine; prompt on Filasteen, since the question asks for the modern-day state] <Misc. History> <Tyler Benedict>/<ed. JO>
6. Dununtary ["doo-nun-tar-ee"] of Champanagar ["champ-ah-nah-gar"] claimed to have learned the secret of treating this disease in a dream in 1580. Thomas Sydenham noticed that this disease had higher mortality rates amongst the wealthy, suggesting treatment was making it worse. An epidemic of this disease decimated tribes in Pontiac's Rebellion after receiving (*) blankets supposedly infected with the variola ["vair-ee-oh-lah"] virus. Edward Jenner tested a treatment for this disease in 1796, and the term "inoculation" first referred to vaccinations against this disease. For 10 points, name this all but eradicated disease that devastated Native American populations after the arrival of Europeans.
ANSWER: Smallpox <World History> <David Dennis>/<ed. JO>
7. In one essay by this author, he argues that without Christianity the stock market would crash and the the Turks would only grow stronger. In another essay by this author, he notes the collateral advantage of "lessening the number of Papists" after observing that $\left({ }^{*}\right)$ "a young healthy child...is, at a year old, a most... wholesome food." In a novel by this author, the title character meets horse people who own the human-like Yahoos after earlier meeting the tiny people of Lilliput. For 10 points, name this British author of "A Modest Proposal" and Gulliver's Travels.
ANSWER: Jonathan Swift <British Lit> <Ganon Evans>/<ed. ME>
8.In 1956, B. R. Ambedkar converted half a million people to a "Neo" type of this religion, which he called Navayana ["nah-va-YA-na"]. One teacher of this religion, who legendarily retrieved its central scriptures from snakes, is known as Nagarjuna ["NAA-gaar-ju-na"]. A sect of this religion came about after a silent sermon where a white $\left(^{*}\right)$ lotus was held up, which is known as the Flower Sermon. Practitioners of this religion, who believe in the avoidance of dukkha ["DOOK-ah"], follow the Four Noble Truths and the Eightfold Path. For 10 points, name this religion founded by Siddhartha Gautama.
ANSWER: Buddhism <Religion> <Aleija Rodriguez>/<ed. AR>
8. A biblical sculpture by this artist was so lifelike he yelled "speak, damn you, speak!" at it, and was nicknamed Zuccone ["zoo-ko-nay"] because of its bald head. The base of a statue by this artist has fake doors representing the gates of the underworld. In addition to sculptures of Habakkuk and ${ }^{(*)}$ Erasmo di Narni, a sculpture by this artist depicts a wing from a helmet creeping up the subject's leg. That sculpture depicts a man holding a sword and standing over a disembodied head. For 10 points, name this Italian Renaissance sculptor, famous for his nude bronze David.
ANSWER: Donatello [or Donato di Niccolò di Betto Bardi] <Visual FA> <Max Shatan>/<ed. CW>
9. Members of this phylum possess a structure that comes in types such as penetrants, volvents, and glutinants. This phylum is responsible for Hamburger Disease in catfish via the parasitic Myx-o-zoa class. One genus of this phylum contains FoxO, which helps it be biologically immortal. Many animals in this phylum possess opercula that cover barbed $\left({ }^{*}\right)$ stinging cells called nematocytes. Members of this phylum, which includes the hydra, can alternate between sessile polyp and motile medusa forms. For 10 points, name this aquatic phylum that includes corals and jellyfish.
ANSWER: Cnidaria <Biology> <Ganon Evans>/<ed. AR>
10. When muons were discovered, they were thought to be the particles that mediate this interaction. The coupling constant for this force asymptotically decreases as length scale decreases. The Yukawa interaction describes the residual form of this phenomenon, which involves the exchange of pions. The eight different particles that mediate this interaction, which carry (*) color charge, are called gluons. Quantum chromoldynamics describes this force, which holds together protons and neutrons in the nucleus. For 10 points, name this most powerful of the four fundamental forces.
ANSWER: strong force [or strong nuclear force; or strong interaction; or nuclear force; or residual strong force] <Physics> <Aleija Rodriguez>/<ed. AR>
11. The founder of this school established the sequence of its three topoi of logic, physics, and ethics, using the metaphor of a fenced garden. Another thinker in this school had his sayings collected by his student Arrian. Another philosopher from this school stated that "The happiness of your life depends upon the quality of your thoughts." Those works are The $\left(^{*}\right.$ ) Enchiridion of Epictetus and the Meditations by Marcus Aurelius. This school is named for the "painted porch" where its founder taught from. For 10 points, name this ancient philosophical school that emphasizes freedom from emotion and was founded by Zeno of Citium
ANSWER: Stoicism <Philosophy> <David Dennis>/<ed BM>
12. According to Matthew White, a key 1515 defeat in this country's history was the bloodiest battle from the 16th through the 19th centuries. Following the Battle of Marignano ["mah-rig-nan-oh"], a treaty signed at Fribourg stipulated one of this country's diplomatic stances. The Bourla-Papey Uprising protested taxes in this country. A religious leader from this country met with Martin Luther at the Marburg Colloquy and died in one of its(*) Kappel Wars. This country was where Ulrich Zwingli and John Calvin implemented the Reformation, and the War of Sticks ended this country's Helvetic Republic. For 10 points, name this modern-day country, whose twenty-six cantons include Zurich and Geneva.
ANSWER: Switzerland [or the Old Swiss Confederacy; or Swiss Confederacy; or Helvetia before "Helvetic" is read; or Helvetic Confederation before "Helvetic" is read; or Confedaraziun Helvetica before "Heletic" is read; or Confederazione Elvetica before "Helvetic" is read; or Confederation Suisse; or Confederazione Svizzera; or Schweiz; or Suisse; or Svizzra; or Schweizerische Eldgenossenschaft] <European History> <David Dennis>/<ed. JO>
13. In one poem by this author, the speaker tells a maiden not to weep, for "War is kind." Joyce Carol Oates' novel Because It is Bitter, and Because It is My Heart takes its title from this author's poem "In the Desert." One novel by this author begins with Jimmie getting into a knife fight and sees the title "girl of the $\left(^{*}\right)$ streets" claimed dead at its end. This author of Maggie wrote a scene of a fleeing Civil War soldier inflicting a wound to the protagonist's head with the butt of his rifle. For 10 points, name this author who wrote about Henry Fleming and Jim Conklin in The Red Badge of Courage. ANSWER: Stephen Crane <American Lit> <Carrie Derner> / <ed. ME>
14. One player of this instrument composed songs such as Focus on Sanity and Lonely Woman to pioneer free jazz in his album The Shape of Jazz to Come. Another musician who primarily played this instrument and the keyboard established the Kalakuta Republic in Lagos. In addition to Fela Kuti and Ornette Coleman, one player of this instrument utilized his signature $\left({ }^{*}\right)$ "sheets of sound" technique on songs such as Psalm and Acknowledgement, which appear on his album A Love Supreme. For 10 points, name this instrument, whose tenor variety was played by John Coltrane.
ANSWER: saxophone <Misc. FA> <Max Shatan>/<ed.DD>
15. The title character of this work saves his only loyal friend from bankruptey and suicide by sending him gifts signed from "Sinbad the Sailor." The main character of this novel is wrongly imprisoned in the fortress situated in the Bay of Marseilles known as the (*) Château d'If, which he escapes with the help of the Abbé Faria. The protagonist of this novel sets out on a revenge scheme against Danglars, Mondego and Villefort ["veal-forr"]. For 10 points, name this novel about Edmond Dantés becoming the title nobleman, written by Alexandre Dumas.
ANSWER: The Count of Monte Cristo [or Le Comte de Monte-Cristo] <European/World Lit> <Samantha Doepker>/<ed. ME>
16. The Carnot cycle must keep either temperature or this quantity constant. A reversible and adiabatic process will have zero change in this value. This quantity is zero only for a perfect crystal at zero Kelvin. A formula for this quantity carved on Ludwig Boltzmann's gravestone sets it equal to a constant times the log of the number of $\left(^{*}\right)$ microstates. This quantity is multiplied by temperature in the equation for Gibbs free energy. According to the second law of thermodynamics, this quantity cannot decrease spontaneously. For 10 points, name this measure of the amount of disorder in a system. ANSWER: entropy [or $\underline{\mathbf{S}}$ ] <Chemistry> <Max Mader>/<ed. AR>
17. A 1985 Met production of this opera was the "farewell performance" of Leontyne Price, who retold the plot of this opera in a children's book that would later inspire a Broadway version. In this opera, the Dance of the Young Moorish Slaves ends as they are told "grief is sacred." A character in this opera unwittingly reveals that his army will attack through Napata, and refuses to answer three charges at a trial conducted by (*) Ramfis. The sentence of death by being buried alive is imposed on Radames, and he is joined by the title Ethiopian princess in, for 10 points, what Giuseppe Verdi opera set in Egypt?
ANSWER: Aida <Auditory FA> <David Dennis>
18. This city is home to a namesake tower that is based on the Eiffel Tower and is repainted red every 5 years. A suspension bridge in this city connects two waterfronts and is illuminated with multicolored lights. In addition to the Rainbow Bridge, this city is home to the second tallest structure in the world, the $\left(^{*}\right)$ Skytree. This city's 23 districts include Minato and Shibuya and this city is home to the Meiji ["may-jee"] Shrine. For 10 points, the Imperial Palace can be found in what largest metropolitan area in the world, the capital of Japan.
ANSWER: Tokyo <Geography> <Max Shatan>/<ed BM>
19. A chief promoter of this project was Asa Whitney, and a letter from Daniel Strong convinced Theodore Judah about the practicality of this project. The Jupiter carried one member of this project's "Big Four" to a ceremony involving this project. Three years after the completion of this project, the Credit Mobilier ["moh-beel-yay"] scandal surrounding it emerged. At the completion of this project, a hammer was used by ${ }^{(*)}$ Leland Stanford to drive a golden spike at Promontory Summit, Utah. For 10 points, name this project that connected Omaha and Sacramento on one set of tracks, completed in 1869.
ANSWER: The 1st Transcontinental Railroad [or Overland Route; or Great Transcontinental Railroad; prompt on partial answers] <American History> <David Dennis>/<ed. CW>

Tiebreaker. In one book, this philosopher said that even after The Buddha's death, his shadow was still found on the walls of caves. In another book, this thinker argued that art is not the result of inspiration, but of effort. In another book, this thinker describes how meekness became a Christian virtue, as well as the $\left(^{*}\right)$ master and slave form of the title concept, in his On the Genealogy of Morals. In a novel by this philosopher, the title Persian prophet urges men to strive to be the Ubermensch. For 10 points, name this author of The Birth of Tragedy and Thus Spoke Zarathustra, who stated that "God is dead."
ANSWER: Friedrich $\underline{\text { Nietzsche }}$ [or Friedrich Wilhelm Nietzsche] <Philosophy> <William Groger>/<ed BM>

## Bonuses

1. A rise in the cost of resources can cause this curve to shift to the left. For 10 points each:
[10] Name this typically positively-sloped curve that shows how much of a good or service a firm is willing to sell at a given price. This curve intersects the demand curve at the equilibrium point.
ANSWER: Supply curve
[10] The supply curve for this commodity famously "bends backwards." Emile Durkheim said that the "division of" this commodity leads to "organic solidarity"
ANSWER: labor supply [or Division of Labor]
[10] Famously sketched on a cocktail napkin, this "u" shaped curve that underpins supply-side economics implies that after a point, raising the tax rate will decrease tax revenue.
ANSWER: Laffer Curve <Social Science> <David Dennis>/<ed BM>
2. One character of this profession notes "Many a good hanging prevents a bad marriage." For 10 points each:
[10] Name this profession shared by Feste, Trinculo and a character whose final appearance has him say "And I'll go to bed at Noon" before disappearing for the rest of the play.
ANSWER: fool [accept jester]
[10] The fool who disappears in this play is thought to have been double cast with Cordelia. In this Shakespeare play, the kingdom of the title monarch is split among his daughters

## ANSWER: King Lear

[10] Touchstone falls in love with the shepherdess Audrey in this other Shakespeare play, whose first act centers around a wrestling match. In this play, Touchstone threatens to kill anyone "a hundred and fifty ways" if they attempt to marry Audrey.
ANSWER: As You Like It <British Lit> <Audrey Bush>/<ed. ME>
3. One film created by this artist depicts poet John Giorno sleeping for several hours. For 10 points each: [10] Name this artist that Valerie Solanas attempted to murder. This artist produced oxidation paintings by urinating on them after applying copper paint.
ANSWER: Andy Warhol
[10] Andy Warhol is famous for his painting of 32 cans of this substance, manufactured by Campbell's and coming in flavors such as Tomato Rice and Minestrone.
ANSWER: soup [or 32 Campbell's Soup Cans]
[10] Warhol was a prominent figure in the Pop Art movement along with this man, who used Ben-Day dots to paint comic-book influenced works such as Drowning Girl and Whaam!
ANSWER: Roy Lichtenstein <Visual FA> <Max Shatan>/<ed. CW>
4. The scientist who names this organelle discovered it with an electron microscope, and this organelle receives vesicles coated with COPII ["cop two"]. For 10 points each:
[10] Name this organelle that packages vesicles and communicates back and forth with the endoplasmic reticulum. It is split into cis and trans faces.
ANSWER: Golgi body [or Golgi apparatus]
[10] These flattened membrane-discs make up the Golgi body. The maturation model describes how these structures accumulate medial and then trans enzymes.
ANSWER: cisternae
[10] In mammals, Golgi bodies are usually located right next to these organelles, which are essential for mitosis. These microtubule-organizing centers are composed of a pair of centrioles.
ANSWER: centrosomes <Biology> <Aleija Rodriguez>/<ed. AR>
5. This activity was performed on courts at places like Uaxactun ["uw-ah-zac-tan"] and other Mayan cities in the Peten basin. For 10 points each:
[10] Name this Mesoamerican sport, the goal of which was to hit its namesake rubber objects through wall-mounted rings using only the hips.
ANSWER: Mesoamerican ball game [or poktapok; or pokatok; or ollamailztli; or tlachtli; or pitz; or the Maya ballgame; or juego de pelota maya; or juego de pelota mesoamericano]
[10] The largest ball court ruins are found in this pre-Columbian Mayan city, whose main attraction is the Temple to Kukulkan, a massive stepped pyramid nicknamed "El Caudillo."
ANSWER: Chichen Itza
[10] According to the Codex Mendoza, the ball game was also played by the Aztecs. The Codex Mendoza was written to help Charles V, a member of this royal family that ruled Austria, to understand Aztec history.
ANSWER: House of Hapsburg [or House of Habsburg] <Misc. History> <Ganon Evans>/<ed. JO>
6. According to a version of this man's story popularized by Nathaniel Hawthorne, this man turned his own daughter into gold. For 10 points each:
[10] Name this Phrygian king, who was given his "golden touch" as a boon after caring for the drunken satyr Silenus.
ANSWER: King Midas
[10] Midas's boon was given by this Greek god of wine, who was tutored by Silenus and is often depicted with an entourage of satyrs.
ANSWER: Dionysus [or Bacchus]
[10] The drunken Silenus is often depicted riding this animal. The unfortunate Midas was cursed with the ears of this animal after siding with Pan against Apollo in a music contest.
ANSWER: donkey [or ass] <Mythology> <Tyler Benedict>/<ed. JO>
7. The "mayor" of one of these locations called it "the abode of the forgotten man." For 10 points each: [10] Name these Great Depression-era locations. One in Tacoma, the "Hollywood on the Tideflats," was located at the end of the Puyallup ["poo-yall-up"] River near the city dump and burned down in 1942. ANSWER: Hoovervilles
[10] This group of World War I veterans led by Walter Waters set up a Hooverville on the banks of the Anacostia River. Douglas MacArthur led the troops which disbanded this group's campsite.
ANSWER: Bonus Army [or Bonus Expeditionary Force]
[10] The Bonus Army marched on this city, which contains the US Capitol.
ANSWER: Washington, D.C. [or Washington, D.C.; or District of Columbia] <American History> <David Dennis>/<ed. CW>
8. In one SNL skit, this actor parodies his role in Glengarry Glen Ross by stating "cocoa is for cobblers." For 10 points each:
[10] Name this actor who, in a more recent sketch that parodies the finale of The Sopranos, asks a waitress if "HPV is different then HIV" while portraying Donald Trump.
ANSWER: Alec Baldwin [or Alexander Rae Baldwin III]
[10] In the aforementioned skit, this actress portrayed Rudy Giuliani. She has also played Jeff Sessions and Hillary Clinton on SNL, and played Dr. Jillian Holtzmann in Ghostbusters.
ANSWER: Kate McKinnon Berthold [or Kate McKinnon Berthold]
[10] This method actor lurked in the background while Baldwin asked if "HPV is different than HIV" while portraying Robert Mueller in that sketch.
ANSWER: Robert De Niro <Trash> <William Groger>/<ed. SP>/<ed. JO>
9. "If you know [this town], you know the post-office." For 10 points each:
[10] Name this fictional town, which lays "under two feet of snow" at the beginning of the novel it is set in. Residents of this town include Denis Eady and Andrew Hale.
ANSWER: Starkfield, Massachusetts
[10] The events of this novel take place in Starkfield. The title character of this novel is married to Zeena and is paralyzed after crashing a sled with Mattie Silver.
ANSWER: Ethan Frome
[10] This author of Ethan Frome also wrote about Newland Archer's unvaried marriage to May Welland and obsession with Ellen Olenska in The Age of Innocence.
ANSWER: Edith Wharton [accept Edith Newbold Jones] <American Lit> <Carrie Derner>/<ed. ME>
10. Description acceptable: The cyclotomic AKS test can test numbers for this property in polynomial time. For 10 points each:
[10] Name this property in number theory. Deterministic formulas to see if numbers have this property include the Lucas-Lehmer test, and the Mersenne type of these numbers is one less than a power of two. ANSWER: prime numbers
[10] The Lucas-Lehmer primality test finds whether a number is a Mersenne prime by using this theorem, which states that for a prime $p$, then for an integer $a$, a to the quantity p minus one is equal to 1 , modulo p .
ANSWER: Fermat's little theorem
[10] The Euclid-Euler theorem shows a one-to-one correspondence between Mersenne primes and these numbers, such as 6 or 28 . Each of these numbers is equal to the sum of its proper divisors.
ANSWER: perfect numbers <Other Science> <David Dennis>/<ed. AR>
11. This technique can be performed by using a Vigreux ["vig-roo"] column or by random tower packing with Raschig ["ras-kig"] rings. For 10 points each:
[10] Name this process that separates parts of a solution by boiling point. This process uses repeated vaporization-condensation cycles, known as theoretical plates, in this process's namesake column.
ANSWER: fractional distillation
[10] Fractional distillation is most often used industrially to separate compounds in this fossil fuel. This substance can be liquefied to form LPG.
ANSWER: petroleum [or crude oil; or petrol; or gasoline]
[10] Fractional distillation cannot separate azeotropes, however. A well-known example of an azeotrope is a mixture of this substance with water, in which this alcohol makes up $96 \%$ of the solution in volume.
ANSWER: ethanol [or ethyl alcohol] <Chemistry> <David Dennis>/<ed. AR>
12. For a brief period, this leader's party banned online usage of the phrases "immortality" and "ascend the throne," as well as the letter " $N$." For 10 points each:
[10] Name this leader, whose party instituted the ban prior to its abolishment of term limits on the presidency It is also illegal to compare this man to Winnie the Pooh.
ANSWER: Xi Jinping
[10] Rifat Çetin ["ree-fat sha-teen"] was given a one-year suspended sentence for "publicly denigrating" this man by comparing pictures of him to Gollum from the Lord of the Rings movies.
ANSWER: Recep Tayyip Erdogan
[10] A. Tsvetkov was charged with incitement of hatred for sharing several images of Vladimir Putin suggesting this characteristic. Such images suggesting this characteristic have since been added to the Russian federal list of extremist materials.
ANSWER: gay [or gay clown; or in drag; or wearing makeup] <Current Events> <David Dennis>
13. On this day, children in western Finland dress up as witches with overhead scarves and painted freckles, and go around asking for chocolate. For 10 points each:
[10] Name this Christian moveable feast that marks the entry of Jesus into Jerusalem. In the Eastern Orthodox Church, this day follows the day celebrating the raising of Lazarus.
ANSWER: Palm Sunday
[10] Palm Sunday marks the beginning of this week of the Christian calendar. This week also includes days such as Maundy Thursday and Good Friday.
ANSWER: Holy Week
[10] Holy Week occurs during the last week of this period, which begins on Ash Wednesday. During this period, many Christians fast in honor of Jesus' 40-day temptation in the desert.
ANSWER: Lent <Religion> <David Dennis>/<ed. AR>
14. This man was kidnapped from his front yard while playing football with his nephew, and a separatist organization called him "Minister of Unemployment and Assimilation." For 10 points each:
[10] Name this man, a provincial Deputy Premier and Minister of Labour, whose body was found in the trunk of a car during the 1970 "October Crisis."
ANSWER: Pierre Laporte ["lah-PORT"]
[10] Laporte was kidnapped by the FLQ, a terrorist organization which sought the independence of this French-speaking province of Canada.
ANSWER: Quebec
[10] This Canadian Prime Minister declared "just watch me" before invoking the War Measures Act to deal with the October Crisis. His son is the current Canadian Prime Minister, Justin.
ANSWER: Pierre Trudeau ["true-doh"] [or Pierre Elliott Trudeau; or PET; or Joseph Philippe Pierre Yves Elliott Trudeau; prompt on Trudeau; do NOT accept or prompt on "Justin Trudeau"] <World History> <Tyler Benedict>/<ed. JO>
15. One character from this play goes around the countryside giving tales on morality. For 10 points each: [10] Name this play about a bet between Colonel Pickering and Henry Higgins regarding a British girl's Cockney accent.
ANSWER: Pygmalion [do NOT accept "My Fair Lady"]
[10] This Irish playwright wrote Pygmalion.
ANSWER: George Bernard Shaw
[10] At the beginning of Pygmalion, Eliza Doolittle, the subject of the bet between Higgins and Pickering, sells these objects which are dropped into the mud when Freddy Eynsford-Hill bumps into her.
ANSWER: flowers <British Lit> <Aleija Rodriguez>/<ed. ME>
16. Answer the following about historical events depicted in the paintings of Elizabeth Thompson, Lady Butler. For 10 points each:
[10] Lady Butler often depicted scenes from this conflict, including the Battle of Balaclava. Her masterpiece Roll Call depicts soldiers from this war.
ANSWER: Crimean War
[10] Butler also painted The Defence of Rorke's Drift, where 150 British soldiers held a garrison against soldiers from this African kingdom. These South African people were united by Shaka.
ANSWER: Zulu [or Zululand; or Zulu Empire; or the Anglo-Zulu War; or Zulu Kingdom]
[10] Butler's Remnants of an Army depicts William Brydon, a European survivor of a retreat in this modern-day country, which served as a buffer state in the "Great Game."
ANSWER: Afghanistan [or Da Afghanestan Jamhwriyat; or Dowlat-e Eslami-ye Afghanestan; or Islamic Emirate of Afghanistan; or Islamic State of Afghanistan; or Jomhuri-ye Afghanestan; or Republic of Afghanistan] <European History> <Tyler Benedict>/<ed. JO>
17. This book's 64 hexagrams inspired a chart system used in one composition that is an important example of indeterminate music. For 10 points each:
[10] Name this member of the Five Classics of China, a divination manual that is the basis of a 1951 piece composed for pianist David Tudor.
ANSWER: I Ching [or Yijing; or Book of Changes; or Classic of Changes]
[10] Music of Changes was written by this minimalist composer of many works for prepared piano and several Imaginary Landscapes.
ANSWER: John Milton Cage
[10] David Tudor also premiered Cage's 4'33" ["four minutes, thirty-three seconds"], in which the performer does this action throughout. The work may have been inspired by blank canvases by Robert Rauschenberg. A description is acceptable.
ANSWER: doesn't play [or sit in silence, or tacet, etc.] <Auditory FA> <John John Groger>/<ed.DD>
18. The Mantis shrimp uses a punch strong enough to cause this process, which it uses in order to stun prey. For 10 points each:
[10] Name this process, in which bubbles collapse and send out shockwaves. This process can also be used to break down kidney stones, sterilise water, or break up dirt.
ANSWER: cavitation [or word forms]
[10] Damaging cavitation shockwaves traveling down a pipe due to an abruptly shutting valve is often given this name, as it can cause a loud "banging" sound.
ANSWER: water hammer [or steam hammer; or fluid hammer; or surge flow]
[10] Not considering water hammer when building homes can cause burst plumbing. The most common cause of plumbing damage, though, is when water in pipes undergoes this phase transition in the winter. ANSWER: freezing [or word forms] <Physics> <David Dennis>/<ed. AR>
19. In one poem in this collection, the author describes a pair of socks as "soft as rabbits" brought to him by Maru Mori. For 10 points each:
[10] Name this collection of poems, written to everyday objects such as socks, artichokes, and tuna.
ANSWER: Elemental Odes [or Odas elementales]
[10] This Chilean author and lover of green ink wrote Elemental Odes. This poet described writing "the saddest lines" in the closing poem of his collection Twenty Love Poems and a Song of Despair. ANSWER: Pablo Neruda [or Ricardo Eliécer Neftalí Reyes Basoalto]
[10] In a Neruda poem set in the "Heights of" this archeological location in Peru, the speaker describes climbing "From breeze to breeze, like an empty net" and exclaims "arise to birth with me, my brother!" ANSWER: "The Heights of Machu Picchu" [or "Alturas de Macchu Picchu"] <European/World Lit> <William Groger>/<ed. ME>
20. Answer these questions about Brazil's Parana State. For 10 points each:
[10] Parana is home to this site, which contains the Devil's Throat. It is the largest waterfall system in the world.
ANSWER: Iguazu Falls [or Cataratas do Iguacu; or Cataratas del Iguazú]
[10] The Iguazu Falls lie on the border of Brazil and this country. To the south of this country lies the Drake Passage and the Beagle Channel separates this country from a major archipelago.
ANSWER: Argentina [or Argentine Republic; or Republica Argentina]
[10] Parana also borders this country with which it shares the Pantanal, the largest tropical wetland in the world. Its capital is Asunción.
ANSWER: Republic of Paraguay [or República del Paraguay; or Tetā Paraguái] <Geography> <John John Groger>/<ed BM>

