

Tossups

1. WARNING: Two answers required.

A fictional first woman president, Florentyna, is first introduced in a book named for these two characters. In the second verse of Ariana Grande's "in my head", she references these 2 characters after singing that her "imagination is too creative". Joaquin Monegro is the protagonist of a novel that retells the story of these two characters. That novel is by Miguel Unamuno. Jeffrey Archer's best-selling novel is titled for these two characters. Seth (*) is born as a replacement for one of these two characters, and no Biblical answer is given for how the older of these two characters finds a wife. These two characters feud over God's responses to their respective sacrifices, after which the older is marked on the forehead. For 10 points, identify these two brothers who fight in the book of Genesis.

ANSWER: Cain and Abel [either order, also accept "Kane and Abel" if someone somehow makes that clear verbally]

2. One episode of this series is composed entirely of five long tracking shots, the longest of which is 17 minutes long. One character in this series meets her future husband, a sleep technician, while seeking treatment for sleep paralysis, and several characters in this series use counting to seven as a coping mechanism. The opening line of this series is shared with that of its source material: (*) "No live organism can continue for long to exist sanely under conditions of absolute reality; even larks and katydids are supposed, by some, to dream", stating that "whatever walked there, walked alone", in this series' titular location. Most of the Crain children's names are taken from the source material, aside from Stephen and Shirley, the latter of whom is named for the source material's author. For 10 points, name this Netflix original series, about a family living in a very spooky mansion.

ANSWER: *The Haunting of Hill House*

3. Michael Sandel criticized liberalism in a 1982 book about "the limits of" this concept. In *Summa Theologica*, Aquinas references Aristotle to argue that this concept involves a "constant and perpetual will". Hume argues that "public utility is the sole origin" of this concept and in *Utilitarianism*, J.S. Mill writes that the "sentiment" of this concept is the refinement of an animal desire for (*) vengeance. This concept requires that inequalities are to the greatest benefit of the least advantaged in a theory that uses the Original Position. Socrates defines this concept as the proper ordering of things, arguing against definitions like "giving to each their own" in Plato's *Republic*. For 10 points, name this concept, often contrasted between commutative and distributive.

ANSWER: Justice

4. Hiram Winnett Orr was a pioneer of treating this condition. The Müller AO Classification is a general grouping of these conditions, while the Frykman classification deals specifically with the Colles type. A mutation in the SPARC gene causes type 17 of a disease whose primary symptom is an elevated risk of this condition, which is more commonly caused by mutations in the COL1A1 gene. Complications from this condition include (*) nonunions. In children, the greenstick variety of this condition is common, as are ones affecting the growth plate. Repeat use of a body part can cause the "stress" form of this condition. For 10 points, people suffering from osteoporosis have an increased risk of what skeletal injury?

ANSWER: bone fracture [or broken bone, accept word forms]

5. Gaylord Perry was the first person who played for this team to be inducted into the Hall of Fame, and Lou Piniella was the first person to win the Manager of the Year Award for this team. Starts made by a former pitcher of this team were celebrated by fans who organized a "maple grove" cheering section, similar to this team's promotional cheering section, "the king's court". In 2018 (*) Edwin Diaz became the

youngest player to record 50 saves in a season while playing for this team whose current players include Kyle Seager and Felix Hernandez. This team's record for career home runs is held by Ken Griffey Jr., and their record for career hits is held by Ichiro Suzuki. For 10 points, name this baseball team that plays its home games at T-Mobile Park, in Washington State.

ANSWER: Seattle Mariners <AF>

6. This author lamented that “you must welcome from another part / Such noble moods as are not mine” in a poem that opens “I know I am but summer to your heart”. This author’s “Four Sonnets” include two that start “I think I should have loved you presently” and “I shall forget you presently my dear”. The entirety of a poem by this author is “Safe upon the solid rock, the ugly houses stand / Come and see my shining palace built upon the sand”. This author warned that “He whose soul is flat, the sky will cave in on him by and by”, and this poet claimed that (*) “Euclid alone has looked on Beauty bare”. This poet wrote that “All I could see from where I stood was three long mountains and a wood” in the poem “Renaissance”. For 10 points, identify this author who wrote that “My candle burns brightly on both ends” in the collection *A Few Figs from Thistles*.

ANSWER: Edna St. Vincent Millay

7. The loser of this election accused the winner of being “A Chameleon in Plaid,” and received a letter from an Illinois man advising them to vote for their opponent “and make it unanimous.” The incumbent candidate in this election fended off a primary challenge from Joseph France. One candidate in this election famously adopted the song (*) “Happy Days are Here Again” as their campaign song. At the Democratic convention ahead of this election, John Nance Garner dropped out and supported the eventual Democratic nominee in exchange for becoming their running mate. The suppression of the Bonus Army ahead of this election helped prevent the reelection of the incumbent candidate. For 10 points, name this election where Herbert Hoover was defeated by Franklin Roosevelt.

ANSWER: The 1932 United States Presidential Election

8. In one song on this album the singer makes a series of gagging noises to suggest Montgomery Clift overdosing. Producer Paul Stevens allegedly overturned chairs during this album’s production to create a rock ‘n’ roll atmosphere. Another song on this album states, “I wasn’t born so much as I fell out” and “I came here for a special offer, guaranteed personality”. That song is (*) “Lost in the Supermarket”. This album’s iconic cover is an image of bassist Paul Simonon smashing his guitar. One song on this album claims “you didn’t stand by me” while another states “the ice age is coming, the sun is moving in”. For 10 points, name this 1979 double album by The Clash, with a title track about radio broadcasts from an English city.

ANSWER: London Calling

9. In *Battle Royale* Tatsuya Fujiwara’s character wakes up in one of these locations after being knocked out by Kiriya’s first attack. Bryce Dallas Howard played forest ranger Grace Meachem in a 2016 live-action remake of an animated Disney classic whose climax centers around one of these locations. That movie was (*) *Pete’s Dragon*. The 2017 film *Annihilation* focuses on the attempt of a Natalie Portman-led group to reach a meteorite at the base of one of these buildings, while in *Shutter Island* a psychiatrist reveals the extent of Leonardo DiCaprio’s character’s delusions to him in one of these locations. For 10 points, name this type of location, a tall building located on a coast in order to provide light to passing ships.

ANSWER: A lighthouse

10. One work by this artist shows a figure sitting in a dark room on the center panel while the outer panels show the same figure sitting on and bent-over a toilet. That work by this artist is one of his “black triptychs” painted after the suicide of his former model and lover. Another triptych by this artist was inspired by Aeschylus’ *Oresteia* and shows three amorphous figures in front of a (*) burnt-orange background. That painting is “Three Studies for Figures at the Base of a Crucifixion”. A work by this artist titled “Study for the Nurse in the Battleship Potemkin, 1957” is reminiscent of another work they modelled after a

Diego Velazquez portrait of Pope Innocent X. For 10 points, name this British-Irish artist who painted a series of screaming popes.

ANSWER: Francis Bacon <AF>

11. **Attacks of this type can be weakened by a Kasib Berry. In addition to Flying type, the Senu style of Oricorio has this type. Necrozma can gain this type in its “Dawn Wings” form through use of the N-Lunarizer. In the first generation Pokémon games, Psychic types were immune to attacks of this type, likely due to an error. The ability (*) Scrapy allows Pokémon of this type to be hit by moves that they are normally immune to. Members of the Elite Four that specialize in this type include Shauntal, Phoebe, and Agatha. First generation moves of this type include Lick, Confuse Ray, and Night Shade. Pokémon of this type include Cofagrigus, Dusclops, and Banette. For 10 points, name this Pokémon type that is powered up by the Spooky Plate.**

ANSWER: Ghost Type (or Gōsutotaipu)

12. **In a work by this author, the song “Hail! Hail! The gang’s all here” is sung at various points. In a play by this author, Booster is jailed for killing a woman, and his dad Becker struggles to keep his business alive. Harmond Wilks runs for mayor in a play by this author, who also killed off a recurring character at the age of 366 in the play *King Hedley II*. This author created the character of Aunt Ester, who lives at 1839 Wylie Avenue in the play (*)*Gem of the Ocean*. The title object of one of this author’s plays was stolen from the Sutters by their slaves, and frames an argument between Boy Willie and Berniece over its sale. This author also wrote a play in which Rose’s husband is unfaithful. For 10 points, identify this author of *The Piano Lesson* who created the garbage collector Troy Maxson in *Fences*.**

ANSWER: August Wilson [or Frederick August Kittel Jr.]

13. **An output of these things, M-squared, can be measured using the D-4-sigma width. One of these things uses a mixture of hydrogen peroxide and potassium peroxide to react with chlorine to form singlet delta oxygen. Claude Cohen-Tannoudji won a Nobel Prize for his invention of Sisyphus cooling using these things. One of these things causes the desorption or ionization of molecules in a common form of (*) mass spectrometry. Semiconductors such as gallium arsenide made effective gain media in these devices, which must undergo population inversion. The first one of these devices was made using a ruby crystal. For 10 points, name these devices that uses stimulated amplification of radiation for light amplification.**

ANSWER: laser

14. **Serena Williams won her two mixed doubles Majors with an athlete from this country. In 2011 and 2012, Daniel Nestor partnered with an athlete from this country, with whom he won 2 French Opens. Another athlete from this country lost the 2012 and 2013 US Open finals, both to Serena Williams, but won both of those year’s Australian Opens. This country’s hockey team upset (*) Sweden in the quarterfinals of the 2002 Olympic Men’s Hockey tournament, and their famous hockey players have included the Kostitsyn brothers. This country’s tennis stars include Victoria Azarenka. For 10 points, name this former Soviet republic home to the KHL’s Dinamo Minsk.**

ANSWER: Belarus

15. **This figure’s wife was Ahinoam, and he took Rizpah as a concubine. This member of the clan of Matri is selected by the Urim and Thummim. The Biblical narrative includes two verses asking if this figure is also among the prophets. While asleep in the caves of Ein Gedi, this figure has a piece of his robe cut by an enemy. A lament for this figure and his son has a refrain of “How the mighty have fallen”. Despite this figure’s ban of witchcraft, he consults the (*) Witch of Endor, which leads to the ghost of Samuel predicting his death at the Battle of Gilboa. The second half of this Biblical figure’s narrative is dominated by his rivalry with his eventual successor, David. For 10 points, identify this first king of Israel, whose name is also the birthname of the author of the Pauline epistles of the New Testament.**

ANSWER: Saul

16. Prominent crackpot Liz Croken claimed that John F. Kennedy faked his death and is now the chief elaborator of this theory. One follower of this theory, Mathew Philip Wright, was arrested after blocking the Hoover Dam for 90 minutes, demanding the truth about this theory. Proponents of this theory often refer to it as “The Storm” or “The Great Awakening”. Part of this theory alleges that (*) Debbie Wasserman Schultz hired MS-13 to murder Seth Rich. This theory grew out of the wake of Pizzagate and alleges that the Mueller investigation is a Donald Trump-controlled countercoup against the deep state. For 10 points, name this alt-right conspiracy theory elaborated by an eponymous 4Chan poster.

ANSWER: QAnon (prompt on “Pizzagate” before read)

17. During this time period, one possibly mythical leader turned a group of shrine maidens known as “miko” into a vast spy network. Two military leaders from this time period were known as the Tiger of Kai and the One-Eyed Dragon. During this broader time period, the Nanban trade era was started when the Portuguese landed at (*) Tanegashima. The final phase of this era was known as the Azuchi-Momoyama period and this era was preceded by the Ashikaga period. This period began with the Onin war and the end of this period was hastened by the Battle of Sekigahara. This period was ended by the the ascension of Tokugawa Ieyasu and was succeeded by the Edo period. For 10 points, name this period of Japanese history where Japan was divided by feuding daimyo.

ANSWER: The Sengoku Period (or the Warring States Period, or Sengoku Jidai)

18. Count Basie appears as himself in this film, anachronistically performing “April in Paris”. In one scene in this movie, a group of bandits is forced to turn back after not having any dimes for a tollbooth. This movie ends in Grauman’s Chinese theater, where State Attorney General Hedley Lamarr is shot in the groin. That scene occurs after a brawl between the villagers of (*) Rock Ridge and an army of criminals, Klansmen, and Methodists spills onto a movie set where a group of top-hatted dancers is performing “The French Mistake”. John Wayne was offered the role of the Waco Kid for this movie, which eventually went to Gene Wilder. For 10 points, name this film starring Cleavon Little as a black sheriff in the Wild West, directed by Mel Brooks.

ANSWER: Blazing Saddles

19. In a John Waters-introduced SNL digital short this rapper spies in a high school locker room and attempts to kiss a corpse during a wake. On one track, this artist claims “They need rappers like me/ So they can get on their fucking keyboards and make me the bad guy”. In a guest appearance on one song, this rapper states “ It’s Nightmare on Elm Street and guess who’s playing Freddy.” That verse is on Ludacris’ (*) “My Chick Bad”. “Barbie Tingz”, a promotional single for this artist’s most recent album, was ultimately cut from the release. That album is *Queen* and features singles like “Chun-Li”. In another song this rapper states “Fuck you if you skinny bitches” and samples “Baby Got Back”. For 10 points, name this rapper behind songs like “Anaconda”.

ANSWER: Nicki Minaj

20. Known as the Senqu at its source at Thaba Putsoa Mountain, this river has been known to freeze in winter due to the high altitude of the Maloti Mountains from which it eventually flows to the ocean at Alexander Bay. This river forms part of the border of 3 different countries, and the largest city on it is Upington, which is located near this river’s Augrabies Falls. The largest dam on this river is the Gariep Dam, (*) which was central to this river’s namesake Project that was proposed by the government of Hendrik Verwoerd in the early 1960s. The major tributaries of this river are the Caledon, Fish, and the Vaal, which meets this river southwest of Kimberley. For 10 points, what is this longest river in South Africa, named by Colonel Robert Gordon of the Dutch East India Company in honour of the royal house of William V?

Answer: Orange River

Bonuses

1. I told myself that binge-watching this show was OK because it was basically a class on moral philosophy given by William Jackson Harper. For 10 points each, answer some questions about a certain sitcom:

[10] Name this show starring William Jackson Harper and Kristen Bell, which follows Eleanor Shellstrop as she tries to learn moral philosophy and stay in the title after life.

ANSWER: **The Good Place**

[10] *The Good Place* is set in a “neighborhood” designed by an architect and immortal being named Michael, who is played by this actor, famous for his role as Sam Malone on *Cheers*.

ANSWER: Edward “Ted” Bridge **Danson III**

[10] *The Good Place* was created by this person who also co-created *Parks and Recreation* and *Brooklyn-99*. However, this person may be most recognizable for his role as Mose Schrute on *The Office*.

ANSWER: Michael **Schur** <AF>

2. This empire was founded by Babur and ruled by leaders such as Akbar the Great. For 10 points each:

[10] Name this empire, that was initially ruled from Agra.

ANSWER: The **Mughal** Empire (Or the **Mogul** Empire, or **Gūrkāniyān**, or **Mugliyah** Saḷṭanat)

[10] The capital of the Mughal Empire was moved from Agra to Old Delhi by this fifth Mughal Emperor, who also built the Taj Mahal.

ANSWER: **Shah Jahan** (or Shahab-ud-din Muhammad **Khurram**)

[10] Shah Jahan was put under house arrest in Agra Fort by this future Mughal Emperor. This Mughal emperor was crowned after the battle of Samugarh.

ANSWER: **Aurangzeb** (or **Muhi-ud-Din Muhammad**, or **Alamgir**)

3. This 2018 standup special, its comedian’s first in 15 years, has the caption “She won’t be using her daytime voice”. For 10 points each:

[10] Identify this Netflix special whose title is alluded to in jokes about restaurants having bathroom attendants, and about being unsure whether planes go as far back as seat 10B.

ANSWER: **Relatable** [accept, but DO NOT REVEAL “**Ellen DeGeneres: Relatable**”]

[10] *Relatable* is a standup special by this comedian whose namesake syndicated talk show features celebrities, dancing, and pranks. This comedian’s character came out on a ‘90s sitcom named after them.

ANSWER: **Ellen DeGeneres** [accept either, she’s fairly mononymous]

[10] In *Relatable*, Ellen pokes fun at her own 1986 appearance on this host’s talk show. This longest-serving host of *The Tonight Show* banned Joan Rivers from the show for perceived disloyalty.

ANSWER: Johnny **Carson**

4. A viral video of this world leader depicts him leading, among other things, Napoleon’s march across the Alps and an army from *Star Wars* in his wheelchair. For 10 points each,

[10] Name this leader who recently pledged not to run for a fifth term in office after nationwide street protests in cities such as Tlemcen and Oran.

ANSWER: Abdelaziz **Bouteflika**

[10] Bouteflika has been seeking medical treatment in this European country for the past several years, leaving his country to be led by a business elite called *le pouvoir*. This country and Norway are frequently cited as models for Britain’s post-Brexit association with the European Union.

ANSWER: **Switzerland**

[10] Bouteflika leads this North African country, whose neighbors, Tunisia and Morocco, were struck by protests during the Arab Spring.

ANSWER: **Algeria**

5. This athlete was inducted into the NBA Hall of Fame alongside former teammates Grant Hill and Jason Kidd in 2018. For 10 points each:

[10] Name this athlete who retired in 2015 after a short and injury-filled stint with the Los Angeles Lakers.

ANSWER: Steve **Nash**

[10] Steve Nash is the all time greatest basketball player from this country, whose other stars include the draft bust Anthony Bennett and Minnesota Timberwolves star Andrew Wiggins.

ANSWER: **Canada**

[10] This Canadian head coach of the Raptors from 2008 to 2011 was hired by Steve Nash as the Canadian national team coach in 2012. Nash stopped playing for Team Canada internationally after this coach was initially fired in 2004. This coach is now an assistant in Charlotte.

ANSWER: Jay **Triano**

6. In one film, a character played by this actor rescues the president of the United States from the island-prison of New York, only to swap out the recording of that president's important speech with a tape of the Bandstand Boogie. For 10 points each,

[10] Name this actor who portrayed Snake Plissken in *Escape From New York*. Other credits for this actor include Wyatt Earp in *Tombstone*, Ego in *Guardians of the Galaxy vol. 2*, and Dean Proffitt in *Overboard*.

ANSWER: Kurt **Russell**

[10] This director of *Escape from New York* also cast Russell as helicopter pilot R.J. MacReady in *The Thing* and truck driver Jack Burton in *Big Trouble in Little China*. He is also known for his *Apocalypse* trilogy.

ANSWER: John **Carpenter**

[10] This other Carpenter collaborator is known for his supporting roles as Frank Armitage in *They Live* and Childs in *The Thing*. More recently, this actor has provided several video game voice roles, such as the Arbiter in the *Halo* series and himself in *Saints Row IV* ["the fourth"].

ANSWER: Keith **David**

7. A painting by this artist inspired the later *Dido Building Carthage*. For 10 points each:

[10] Identify this seventeenth century French artist famed for their landscapes and seascapes, such as their *Embarkation of the Queen of Sheba*.

ANSWER: **Claude Lorrain** [accept either, or Claude **Gellée**]

[10] *Dido Building Carthage* was painted by this fan of Lorrain, who also painted the Houses of Parliament on fire. This namesake of an annual British prize may be best known for *Rain, Steam, and Speed*.

ANSWER: J. M. W. **Turner**

[10] A seascape by Turner has this character hidden behind a mountain, as he is mocked by a man in a ship. Odilon Redon's most famous work shows this character shyly looking at a naked woman.

ANSWER: **Polyphemus**

8. This entity was first produced in its present form in a 1999 paper by Michael Mann, Raymond Bradley, and Malcolm Hughes, and its name was popularized by Jerry Mahlman. For 10 points each:

[10] Name this image. Some scientists have tried explaining its central subject using Bond events, which occur every 1,500 years.

ANSWER: **hockey stick graph** [prompt on description]

[10] The hockey stick graph plots this value on the Y-axis. Using the hockey stick graph, this value has been shown to correlate with atmospheric carbon dioxide levels. A 2018 report by the IPCC says increases of this value by 1.5°C is inevitable.

ANSWER: **temperature**

[10] A 2019 paper by Koch et al. suggests that the period of cooling known as the Little Ice Age which preceded the 20th century spike may actually have been caused by this anthropogenic factor instead of levels of solar activity known as the Maunder minimum.

ANSWER: **genocide** of **Native Americans** [prompt on partial answers especially those mentioning the Columbian Exchange, and generously accept synonyms, but death has to be explicitly mentioned]

9. In the music video for this song, the veiled singer plucks an upright bass before dramatically revealing her face under a bright light during the chorus. For 10 points each,

[10] Name this song where the singer sends her husband love letters under an assumed name, who “received them with a strange delight”. It was the first single of the singer’s album, *Never for Ever*.

ANSWER: **Babooshka**

[10] Babooshka is by this English singer, who first broke out with “Wuthering Heights” before going on to make such albums as *Hounds of Love*, *The Sensual World*, and *The Red Shoes*.

ANSWER: **Kate Bush**

[10] In 1991 Bush had another hit with a cover of this singer’s “Rocket Man”. This singer is also known for his songs “Crocodile Rock”, “Benny and the Jets”, and “Tiny Dancer”.

ANSWER: Elton **John**

10. In a namesake work, this character’s daughters marry cowardly princes who abuse them, then abandon them in a forest. For 10 points each:

[10] Identify this character who serves Alfonso VI and is the subject of the oldest extant Castilian epic.

ANSWER: El **Cid**

[10] This French dramatist wrote a controversial, but highly successful adaptation of the El Cid story that breaks the classical unities. They also wrote a play about a conspiracy to kill Augustus Caesar, *Cinna*.

ANSWER: Pierre **Corneille**

[10] *The Poem of the Cid* borrows plot points and styles from an earlier French epic titled for this hero, who wields the sword Durandal and blows the horn Oliphant. This character is the titular subject of Italian epics about him “furioso” and “innamorato”.

ANSWER: **Roland** [or “**Orlando**”]

11. The loser of this 1997 event pulled a leg muscle and thus could not compete in that year’s world championship qualifiers, but a new rule was put in so that defending champions automatically qualified. For 10 points each:

[10] Name this event. The winner of this event called the loser a “chicken” several times during the post-event interview. Immediately after the event, it was also suggested that the loser faked his injury so as to not have appeared to lose fair and square. A description is acceptable.

ANSWER: Donovan **Bailey** and Michael **Johnson** racing to see who the fastest man in the world is.

[10] That event was held in this location, now home to the Toronto Blue Jays. Either the current name or the name at the time of the Bailey-Johnson race is acceptable.

ANSWER: **Rogers Centre** or **SkyDome**

[10] In one of the side events of the Bailey-Johnson race, Sergei Bubka and Okkert Brits competed in this field event. The men’s world record is 6.16 metres.

ANSWER: **pole vault**

12. This work’s first movement contains a passage where the soloist plays two descending C minor arpeggios and then two descending C minor scales. For 10 points each:

[10] Name this concerto that begins with the soloist playing a sequence of trills on the consecutive eighth notes B flat, A flat, D flat.

Answer: **Winter** from the Four Seasons (or **RV 297**)

[10] Winter is the last movement of this Venetian composer’s *Four Seasons*.

Answer: Antonio **Vivaldi**

[10] Astor Piazzolla wrote a work usually translated in English as the “Four Seasons of” this South American capital city. In Piazzolla’s version, the first movement is Summer, as opposed to Spring.

Answer: **Buenos Aires**

13. One 1992 game in this series subtitled “3D” is considered to be one of the first first-person shooters. For 10 points each:

[10] Name this id software series with entries subtitled “The New Order” and “The New Colossus” that focuses on killing Nazis.

ANSWER: **Wolfenstein**

[10] The protagonist of the *Wolfenstein* series is this American spy of Polish and Jewish descent. In *The New Order*, this character falls in love with Polish nurse Anya Oliwa.

ANSWER: **William** Joseph “**B.J.**” **Blazkowicz** (or “Terror-**Billy**”)

[10] The main villain and final boss of *Wolfenstein: The New Order* is this Nazi scientist. At the beginning of the game, this character forces Blazkowicz to choose which of his friends to execute.

ANSWER: General **Wilhelm** “**Deathshead**” **Strasse**

14. This set of statements specifies the contents of the cooperative principle in pragmatics. For 10 points each:

[10] Name this set of four statements, some of which are briefly summarized by the phrases “Be relevant” and “Be perspicuous”.

ANSWER: **Grice**’s **maxims** (or **Gricean maxims**, accept synonyms for “maxim”)

[10] Individuals following Grice’s maxims will often make use of this linguistic concept, which refers to information implicitly conveyed in an utterance.

ANSWER: conversational **implicature**

[10] The linguistic subfield of pragmatics is often contrasted with this other subfield, which studies conventional meaning in a given language.

ANSWER: **semantics**

15. This band’s debut album, *Funeral*, features two songs with French lyrics, ‘Une année sans lumière’ and ‘Haïti’. For 10 points each,

[10] Name this Montreal-based, Win Butler-fronted band that is probably more famous for English-language songs like “Wake Up”, “Rebellion (Lies)”, and “Reflektor”.

ANSWER: **Arcade Fire**

[10] This co-vocalist and wife of Butler sings almost all of Arcade Fire’s French lyrics. She is also the lead vocalist on such anglophone songs as “Sprawl 2 (Mountains Beyond Mountains)” and “In the Backseat”, as well as being an extreme multi-instrumentalist.

ANSWER: Régine **Chassagne**

[10] Butler once called this other band “the Nirvana of Montreal”. Arcade Fire ended their 2014 tour with a cover of this band’s “I’ll Believe in Anything”, the top single from their debut album *Apologies to Queen Mary*.

ANSWER: **Wolf Parade**

16. This Bronze Age civilization flourished on the island of Crete. For 10 points each:

[10] Name this civilization, which historian Will Durant called “the first link in the European chain.”

ANSWER: The **Minoan** Civilization

[10] One of the major Minoan archeological sites was this palace complex and city in modern day Heraklion. This archeological site was the location of the *Bull-Leaping Fresco*.

ANSWER: **Knossos**

[10] One other major source for Minoan artifacts, especially frescoes, was this settlement on the island of Santorini. This settlement that was home to frescoes of boxing youth and a flotilla was destroyed in the Thera eruption.

ANSWER: **Akrotiri**

17. For 10 points each, identify some African countries from descriptions of their post-colonial novels:

[10] *Purple Hibiscus* was the debut novel of Chimamanda Adichie, an Ibo author from this country better known for *Americanah* and *Half of a Yellow Sun*. This country’s other authors include Chinua Achebe and Wole Soyinka.

ANSWER: **Nigeria**

[10] The novels *A Question of Power* and *When Rain Clouds Gather* were written by Bessie Head, who fled to Botswana from this country. Novels set in this country include *A Dry White Season*, *Too Late the Phalarope*, and *Life and Times of Michael K*.

ANSWER: **South Africa**

[10] *The House of Hunger* is a work by Dambudzo Marechera, a homeless and mentally ill author from this country who died of AIDS. Darling's father gets AIDS and she moves to Detroit in *We Need New Names*, a work by this country's NoViolet Bulawayo.

ANSWER: **Zimbabwe**

18. The *New York Post*'s Kyle Smith noted that this movie was in fact about a "feminist revolt". For 10 points each,

[10] Name this film about the wives of deformed cult leader Immortan Joe attempting to reach the Vulvani tribe in the mysterious Green Place.

ANSWER: *Mad Max: **Fury Road***

[10] This actor portrayed the one-armed protector of Joe's wives, Imperator Furiosa. This South African is also known for her roles as serial killer Aileen Wuornos in *Monster* and as a top MI6 spy in *Atomic Blonde*.

ANSWER: Charlize **Theron**

[10] Theron starred as a fed-up mother who develops a friendship with the title libertine nanny in this 2018 Jason Reitman film. It received some criticism for its inaccurate portrayal of mental health issues.

ANSWER: **Tully**

19. This principle implies that electronic transitions occur on a time scale much shorter than that of nuclear motions. For 10 points each:

[10] Name this principle that states that the overlap between two vibrational wavefunctions leads to a more likely chance a change in vibrational energy levels occurs.

ANSWER: **Franck-Condon** principle

[10] The Franck-Condon principle explains Kasha's rule about photon emission in these two effects. In these effects, objects absorb light and emit them at a lower wavelength; however, the time scale is different for these two effects. Name either.

ANSWER: **phosphorescence** OR **fluorescence**

[10] A modified version of the Franck-Condon principle can be used to explain transitions in these substances whose formation energies can be calculated using the Born equation. The thermodynamics of one type of these substances can be explained by Flory-Huggins theory.

ANSWER: **solution**

20. "Hey demons, it's ya boy!" For 10 points each:

[10] Name this internet series, starring Shane Madej (Mah-day) and Ryan Bergara as they investigate various odd occurrences and supernatural phenomena.

ANSWER: **Buzzfeed Unsolved**

[10] BuzzFeed Unsolved has two formats, "Supernatural" (i.e. ghost hunting) and this other format, in which the two hosts discuss real events, such as JonBenet Ramsey or Jack the Ripper.

ANSWER: **true crime**

[10] BuzzFeed Unsolved took a lighter tone in one True Crime episode, where they go to this area in search of Forrest Fenn's treasure. The treasure is in one of four states in this location.

ANSWER: **Rockies** or the **Rocky Mountains**