

Tossups

1. **This person wrote that the local residents of a region they visited called it *Honguedo*. This person named the Lachine Rapids after the nation of China. This person founded the settlement of Fort Charlesbourg Royal, which was abandoned two years after its founding. On their second voyage, this person made contact with the residents of the village of (*) Stadacona. This person kidnapped Chief Donnacona after being told about the mythical kingdom of Saugenay. This person named Mount Royal after their patron, Francis I, and famously planted a 10 meter cross on the shores of Gaspé Bay. For 10 points name this Breton explorer, the first European to map the Gulf of St. Lawrence, who gave Canada its name in 1535 when he claimed it for France.**

ANSWER: Jacques Cartier (or Jakez Karter)

2. **Ores of this element common in industrial use include spodumene and lepidolite. Mercury is used in the column exchange process to separate different isotopes of this element. A cosmological discrepancy of this element asks why older stars lack and younger stars are in abundance of this element. Depletion of this element in T Tauri stars can determine the age of those stars. In (*) big bang nucleosynthesis, the heaviest stable element created was an isotope of this element. A test for this element can be used to differentiate low-mass stars and brown dwarfs. Batteries of this element have been classified as flight risks, while as medication it can help treat bipolar disorder. For 10 points each, name this third lightest element.**

ANSWER: Lithium

3. **The singer of this song states “maybe it’s 6:45/maybe you’ve taken my shit for the last time”. This song’s guest verse includes the lyrics “red light, red light, stop/ I don’t play when it comes to my heart”. This song’s music video mostly involves the camera spinning around in an empty room, but included cameos from celebrities such as (*) Aly Raisman, Gal Gadot, and Ellen Degeneres. A performance of this song at Super Bowl LII featured a drumline and a gospel choir before giving way to “She Will Be Loved”. The singer of this song states that the title group runs “around with guys like me” and that he needs one of the title group. For 10 points, name this song by Maroon 5 featuring Cardi B about a certain type of woman.**

ANSWER: “Girls Like You”

4. Content warning: sexual assault

In a novel from this country, the protagonist is a painter who botches an attempted suicide, and then develops a morphine addiction after he watches his wife get raped. A novel from this country is about a simple-minded descendant of Napoleon Bonaparte who is killed when preventing a gangster from killing someone else. The novels *No Longer Human* and *Wonderful Fool* are from this country, which is the setting of a novel in which (*) Sebastian Rodrigues is forced to stamp an image of Jesus and Mary. The confessional I-novel originated in this country, and is exemplified by *Scandal*. In *Black Rain*, a novel from this country, the protagonist tries to convince people that his daughter doesn’t have radiation poisoning. For 10 points, what country’s twentieth-century authors include Masuji Ibuse and Shusaku Endo?

ANSWER: Japan

5. **Matt Damon appears in this film as a redneck discussing toilet paper, and is credited as Dickie Greenleaf. The director of this movie is credited as “One of the guys who killed the dog in John Wick”. In this film, a character is saved from a bullet by a skee-ball token pinned in front of his heart. This film was re-released with a *Princess Bride*-style frame narration featuring Fred Savage for (*) Christmas 2018. In this film a team of superheroes parachutes from a jet, only to be wiped out by hazards like helicopter blades, electric lines, and a woodchipper. That team was assembled to stop the boy who would grow up to be Firefist**

from being killed by Cable. For 10 points, name this sequel to a 2016 film about fourth-wall breaking mutant Wade Wilson.

ANSWER: Deadpool 2

6. Norman “Wild Man” Willey supposedly recorded 17 instances of this statistic in a 1952 game. The CFL career record for this statistic is held by Grover Covington while in the NFL Jevon Kearse holds the single season rookie record for this statistic. This statistic was “invented” by Deacon Jones, who unofficially recorded 173 instances of this statistic throughout his career, a mark only later passed by (*) Reggie White and Bruce Allen. Derrick Thomas is the only player to record 7 of these in a game, and Brett Favre allegedly took a dive to give Michael Strahan the current single-season record for this statistic. For 10 points, name this football statistic, awarded when a defensive player tackles the quarterback behind the line of scrimmage.

ANSWER: Quarterback sacks (prompt on “tackling the quarterback behind the line of scrimmage” before read--tersely replying, “things have names”)

7. Many of these non-human animals can be seen in boats in a Rosa Bonheur painting subtitled “A Scottish Scene”. In one painting, a group of these animals can be seen behind a man who is showing a woman a moth while in another work from the same movement, a group of these animals can be seen through a doorway to the left of a red-headed christ. That painting is “Christ in the House of his Parents”. One of these animals is directly below a dove in the central panel of the (*) Ghent Altarpiece, which is titled “The Adoration of the Mystic [one of these animals]” . For 10 points, name this type of animal which features prominently in paintings such as “Our English Coasts”, “Agnus Dei”, and “The Hireling Shepherd”.

ANSWER: Sheep (accept Lamb) <AF>

8. In *Mario Kart Arcade GP 2*, this character’s namesake course features robotic dinosaurs located in pools of green liquid. Proposed names for this character during their development included “Jeroji” and “Jinani.” In *Mario Strikers Charged*, this character’s special ability allows them to produce walls of vines. In *Super Mario Sluggers* this character’s signature techniques are the (*) Liar Ball and the Liar Swing. In *Mario Tennis Aces* one of this character’s trick shots uses a moonwalk dance. One stage named after this character from *Mario Kart DS* takes place in a pinball machine. This character was introduced in *Mario Tennis* for the N64. For 10 points, name this lanky purple wearing man who is partners with Wario.

ANSWER: Waluigi (or Waruigi, do not accept or prompt on “Luigi”)

9. This work claims that in all discourse there is “that which is talked about” and “what is said in the talk” while naming silence as a mode of discourse. This work lists four possible meanings of “world” and a contrast is made between this book’s analysis of worldhood and Descartes’ interpretation of the World, though the “destruction” of the “cogito sum” mentioned by this book was never published. Another distinction made by this book is between (*) “ontical” and “ontological” where being ontological is what ontically distinguishes Dasein. Sections of this book include the “Task of Destroying the History of Ontology” and the “Exposition Of The Task Of a Preparatory Analysis Of Dasein”. For 10 points, name this incomplete work by Martin Heidegger which deals with the two title concepts.

ANSWER: Being and Time (accept Sein und Zeit) <AF>

10. Novels released in accompaniment to this game include *Legacy of Blood* and *Return to Canifis*. A mobile version of this game was released in 2018, and effectiveness of combat in this game is ruled by “rock-paper-scissors” between melee, ranged, and magic. The Fletching skill in this game became free-to-play in October 2017, as opposed to members-only skills such as (*) Agility or Herblore This game is currently in its third version, although many players still prefer to play the “old school” version of this game that was originally released in 2001. This game is set in the fictional land of Gielinor, which contains such major

cities as Lumbridge and Varrock, and this game is the world's largest free MMORPG. For 10 points, name this online fantasy RPG, developed and published by Jagex.

ANSWER: RuneScape 3 (accept OSRS/Old School RuneScape, RuneScape 2007, or RS3)

11. **The Lebanese Kataeb party is named after this type of formation. A socialist utopian commune named for a North American variety of this formation was contributed to by Albert Brisbane and Horace Greeley, and was established by the Fourierist movement. A political party named after this formation used the song "Facing the Sun" as its party anthem and is symbolized by the Yoke and (*) Arrows. Two successive political parties with this name were merged with the Councils of the National-Syndicalist Offensive and the Carlist Party respectively. A formation with this name was used at the battles of Plataea and Thermopylae and consisted of Hoplites. For 10 points, Francisco Franco's political party was named for the "traditional Spanish" variety of which Ancient Greek military formation?**

ANSWER: A Phalanx (accept Falange or Phalanges or Falangism)

12. **In one movie set during this war, scenes featuring the army commanders were shot in the pierhead pavilion of Brighton's West Pier. That musical movie set during this war was the directorial debut of Richard Attenborough and was based on a stage play by Joan Littlewood. In one movie set during this war, the main character is killed by a sniper while reaching for a (*) butterfly. During one movie set during this event, a female prisoner sings a rendition of the folk song "The Faithful Hussar" for a group of soldiers in an inn. In that movie set during this war, Kirk Douglas plays Colonel Dax, who defends three members of the French Army during a court martial. For 10 points, name this war that provided the setting for *Oh, What a Lovely War!*, *Paths of Glory*, and *All Quiet on the Western Front*.**

ANSWER: World War One

13. **This artist's debut album controversially received a five-mic rating from the magazine *The Source* despite *The Source*'s editor Reginald Dennis putting a moratorium on five-mic reviews. In one song from this artist's debut album, they declare "I rap for listeners, blunt heads, fly ladies and prisoners." One single by this artist twice declares "I'm out for (*) presidents to represent me" before concluding "I'm out for dead presidents to represent me." Another single by this rapper behind the Scarface-inspired song "The World is Yours," features guest vocals from rapper AZ, who declares "Life's a bitch and then you die, that's why we get high 'Cause you never know when you're gonna go." For 10 points, name this New York rapper behind the album *Illmatic*.**

ANSWER: Nas (or Nasir bin Olu Dara Jones, prompt on "Jones" or "Olu Dara Jones")

14. **Before the 16th century, the site of this city hosted a number of Picunche villages whose denizens herded guanacos, and it eventually became the southernmost point of the Qhapaq Nan, later known as the Camino Real. Joaquin Toesca designed the façade of this city's La Moneda palace, (*) and a number of other improvements were made during the Supreme Directorship of Bernardo O'Higgins. Sights in this city include its large Parque Forestal, a prominent statue of the Virgin Mary on San Cristobal Hill, and its main street, La Alameda. This largest city in the Longitudinal Valley is set to host the 2023 Pan American Games. Set on a number of hills around the Mapocho River, this city was founded in 1541 by Pedro de Valdivia, who named it after St. James. For 10 points, what is this capital and largest city of Chile?**

Answer: Santiago

15. **An athlete with this last name won the 2018 ESPYs for Best Female Athlete after an Olympic gold winning performance over Liu Jiayu. One record set by an athlete with this last name occurred during their gold medal performance at the 2009 Four Continents Championships. Though the record was broken a year later, in 2015, an athlete with this last name became the youngest ever (*) Winter X-games champion at age 14. A figure skater with this last name controversially came second at the Ladies' Singles event at the 2014 Winter Olympics and was the gold medalist in 2010. Another athlete with this last name is the**

youngest ever female Olympic champion at halfpipe. For 10 points, give this last name shared by snowboarder Chloe and figure skater Yuna.

ANSWER: Kim

16. Note. Description acceptable.

Luca Giordano created a depiction of this scene in which two spears are aimed at a central figure in blue who looks away. This event is made possible by the killing of Cetus, and a son of Belus died at this event. At this event, one figure yells that every friend loyal to him should turn away. This event leads to the death of Phineus, who was earlier engaged to one of the central figures of this event. Cepheus and (*) Cassiopeia were the parents of one of the two central figures at this event, while the other still had winged sandals from Hermes. The central figures were brought together after a rescue involving a sea monster in Aethiopia. For 10 points, identify this event in which an Ethiopian queen married the slayer of Medusa.

ANSWER: the wedding of Perseus and Andromeda [any answer describing either of the 2 characters getting married is fine]

17. This person was the oldest child of the president of McFeely Brick Company from Pittsburgh. This person stated that he went into television because he hated it, and he hosted a short-lived interview program called *Old Friends...New Friends*. After this figure expressed distaste for a series of Burger King ads that used his likeness, Burger King pulled the ads; however, this person liked the SNL parody of his works, in which (*) Eddie Murphy played him. His most popular show stopped recording in 2000, but this person recorded several PSAs following 9/11, on speaking to children about tragedies. This person voiced characters such as King Friday and Daniel Striped Tiger, and always ended his most famous show saying "I like you just the way you are". For 10 points, name this American TV personality, best known for the children's series set in his namesake neighbourhood.

ANSWER: Mr. Fred McFeely Rogers

18. Jorge Luis Borges dedicated his story "There Are More Things" to this author. This author parodied his own archaic vocabulary in his story "A Reminiscence of Dr. Samuel Johnson". In one story by this author, the first person narration of an aristocratic scion devolves into gibberish only to later reveal that he has killed and eaten his companion in a fit of insanity. One of this author's stories features a miasmatic being that lives in a well and slowly corrupts the life around it. That story is (*) "The Colour Out of Space" and takes place outside of Arkham, Massachusetts. In a novella by this author, a lost civilization of "Elder Things" destroyed by Shoggoths in Antarctica. For 10 points, name this author of works like *At the Mountains of Madness* and *The Call of Cthulhu*.

ANSWER: Howard Phillips Lovecraft

19. A work by this poet ends by claiming "the deep river ran on", and describes how a promise to "love you till China and Africa meet" is dismissed by "all the clocks in the city" saying "let not Time deceive you, you cannot conquer Time". A villanelle by this poet of "In Memory of Sigmund Freud", says "Time will say nothing but 'I told you so'". This poet of "As I Walked Out One Evening" said that the day an Irish poet died was "a dark, cold day" in (*) "In Memory of W. B. Yeats". Satirical works by this poet include one in which they claim that "Had anything been wrong, we should certainly have heard", and another that says "prevent the dog from barking with a juicy bone" after its opening request of "Stop all the clocks". For 10 points, identify this poet who sits "in one of the dives on Fifty-Second street" in the opening of their World War II poem "September 1st, 1939".

ANSWER: Wystan Hugh Auden

20. Lanczos algorithm is an adaptation of power iterations to find these numbers, which can also be found using the inverse power iteration. The Perron–Frobenius theorem guarantees a unique largest one of these numbers. Ladder operators increase or decrease these numbers for other operators. The axes of a principal component analysis results are generally scaled by these numbers. Determining (*) local minima,

local maxima, and saddle points through the second partial derivative test looks at the signs of these numbers. The sum of these values is equal to sum of the diagonal elements of a square matrix. For 10 points, what name is given to the roots of a matrix's characteristic polynomial?

ANSWER: eigenvalue

Bonuses

1. This kingdom reclaimed its capital from the Seljuk empire after the Battle of Didgori. For 10 points each:

[10] Name this kingdom, that was ruled by the Bagrationi dynasty.

ANSWER: The Kingdom of Georgia (or Sakartvelos Samepo)

[10] The battle of Didgori was won by the fourth king of Georgia with this name, nicknamed "the builder." In the Tanakh, one man with this name was the second king of United Israel after Saul and before Solomon.

ANSWER: David

[10] This Queen of Georgia brought her nation to its political peak and campaigned against Armenia, Shirvan, and the Sultanate of Rum. This queen married the Alan prince David Soslan.

ANSWER: Tamar I Bagrationi (or Tamar the Great, Holy Righteous Queen Tamar, Tamar Mepe, Ts'mida K'etilmsakhuri Mepe Tamari)

2. Until RBC dropped their sponsorship in 2018, the Royal Bank Cup was given to the end of year champion in this league. For 10 points each:

[10] Name this composite league whose four main divisions compete for the Fred Page Cup, the Dudley Hewitt Cup, the ANAVET Cup, and the Doyle Cup.

ANSWER: CJHL [or Canadian Junior Hockey League, do not accept or prompt on "Canadian Hockey League" or "CHL"]

[10] One CHJL participant known for the wrong reasons is this Saskatchewan based team that suffered a fatal bus accident in 2018, killing 16.

ANSWER: Humboldt Broncos [accept either underlined portion]

[10] Playing in Junior A still allows for NHL success, such as with this third overall pick in the 2007 NHL Entry Draft by the Coyotes. This player was traded to Ottawa in 2011 and then to Nashville in 2017 as part of a 3 team trade that also involved Matt Duchene.

ANSWER: Kyle Turris

3. This movie event was felt and heard 'round the world. For 10 points each:

[10] Name this event from the climax of *The Avengers: Infinity War*, in which this single action obliterated half of all living things.

ANSWER: the Snap (accept any answers that mention "Snap", including "the Snapping")

[10] One subreddit that states that this character, the perpetrator of the Snap, "did nothing wrong" banned half its users last July. This character, often referred to as the "Mad Titan" is played by Josh Brolin in the MCU.

ANSWER: Thanos

[10] The banned users formed a subreddit that stated they were in this object, the most common theory for where 50% of the universe are currently. This was the fourth stone that Thanos gained in his quest for the Infinity Stones.

ANSWER: the Soul Stone

4. This term was originally coined by Giovanni Amendola to describe the degree of control over daily life sought by Italian fascism. For 10 points each:

[10] Name this term used to describe authoritarian governments with complete control over society. It was applied to Nazi Germany and the USSR by Hannah Arendt in her study of the "origins" of this concept.

ANSWER: totalitarianism

[10] One enthusiastic formulator of totalitarianism was this Nazi jurist. He defined the sovereign as the entity that could declare an exception to the law in his *Political Theology* and wrote on the incompatibility of liberal pluralism and democratic unity.

ANSWER: Carl **Schmitt**

[10] This Chicago professor saw totalitarianism as arising from central planning in his *The Road to Serfdom*. He became a defender of the pro-market Pinochet dictatorship in his later years.

ANSWER: Friedrich **Hayek**

5. The singer of this song declares “you can talk about the pit, barbecue/the band was jumpin’, the people too”. For 10 points each,

[10] Name this song describing “everyone doin’” the title dance. John Candy’s character almost crashes a car while dancing to this song in *Planes, Trains, and Automobiles*.

ANSWER: “**Mess Around**”

[10] “Mess Around” is by this blind artist of “Hit the Road Jack” and “I Can’t Stop Loving You”. He was sometimes known as “the Genius”.

ANSWER: Ray **Charles**

[10] In 1972 Ray Charles released a cover of this folk artist’s “What Have They Done to My Song, Ma”. She was one of only three solo women to perform at Woodstock, an experience that inspired her song “Lay Down (Candles in the Rain)”.

ANSWER: **Melanie** Anne Safka-Schekeryk

6. Increased consumption of this good by Chinese citizens has led to a vast reduction of China’s current account surplus over the past year. For 10 points each:

[10] Name this good, which might involve travelling to Australia or Japan for leisure.

Answer: **tourism** (accept word forms)

[10] Chinese tourists are largely responsible for making this capital city the world’s most visited in 2018. This city is also home to the Jim Thompson House.

Answer: **Bangkok**

[10] China has recently used a reduction of tourism as a threat against countries following this foreign policy. Countries that follow this policy include Palau, Kiribati, and Nicaragua. A description is acceptable.

Answer: **recognizing Taiwan** as a sovereign country (accept word forms or equivalents mentioning **Republic of China**)

7. Lucynell Crater is abandoned at a diner in this story. For 10 points each:

[10] Identify this story in which the one-armed Tom Shiftlet sees the title phrase on “Drive carefully” signs.

ANSWER: “**The Life You Save May Be Your Own**”

[10] “The Life You Save May Be Your Own” is a story by this author who created The Misfit, who kills a family in “A Good Man is Hard to Find”.

ANSWER: [Mary] Flannery **O'Connor**

[10] Julian's racist mother has a stroke and dies at the end of this Flannery O'Connor story in which she is slapped for giving a black boy a penny.

ANSWER: “**Everything that Rises Must Converge**”

8. This movie closes with a freeze-frame of John Bender, played by Judd Nelson, pumping his fist in the air. For 10 points each,

[10] Name this 1985 film about a group of high-schoolers in detention on a Saturday. This film gave us the Simple Minds song “(Don’t You) Forget About Me”.

ANSWER: **The Breakfast Club**

[10] *The Breakfast Club* was directed by this filmmaker. This person ruled the 80s, directing movies like *Weird Science*, *Pretty in Pink*, and *Planes, Trains, and Automobiles*.

ANSWER: John **Hughes**

[10] A *New York* magazine article after the film's release coined this phrase to refer to its stars, including Molly Ringwald and Emilio Estevez. It can also refer to *Saint Elmo's Fire* actors like Rob Lowe and Demi Moore.
ANSWER: the "**Brat Pack**"

9. The main villains of the space stage of this game are a group of Cybernetic Aliens known as the Grox. For 10 points each:

[10] Name this game that was designed by Will Wright and released in 2008.

ANSWER: **Spore**

[10] *Spore* attracted controversy for its use of a modified version of SecuROM, a software of this type. This term denotes access control software that is used for restricting access to copyrighted works.

ANSWER: **Digital Rights Management** (or **DRM**)

[10] *Spore* was published by this video game company which owns *Spore* developer Maxis alongside other companies such as Bioware. This video game company's "Sports" division releases games such as the FIFA series and Madden NFL.

ANSWER: **Electronic Arts**, Inc. (or **EA**)

10. In special relativity, this quantity is equal to negative mass times speed of light squared times the integral with respect to the proper time over the world line. For 10 points each:

[10] Name this quantity that in the Hamilton-Jacobi equation, is equal to the Hamilton's characteristic function minus $E \cdot t$.

ANSWER: **action**

[10] The action is an important quantity in a field of mechanics named for this person, who names the central equation in the calculus of variations with Euler and a set of five stable points in the three-body problem.

ANSWER: Joseph-Louis **Lagrange**

[10] The action is this function of the Lagrangian. This function of the force gives the impulse.

ANSWER: **time integral** [or **integral** over **time**]

11. One of the mottos of this man's regime was "Deus, Pátria e Família." For 10 points each:

[10] Name this authoritarian corporatist who served as Portugal's prime minister from 1932 to 1968 and established the *Estado Novo*.

ANSWER: António de Oliveira **Salazar**

[10] Salazar's *Estado Novo* collapsed four years after his death during this revolution. The actions of restaurant worker Celeste Caeiro gave this revolution its name.

ANSWER: The **Carnation** Revolution (or Revolução dos **Cravos**, or **25th** of **April**, or **25** de **Abril**)

[10] Salazar was appointed Prime Minister by this eleventh president of Portugal. This President of Portugal served until his death in 1951.

ANSWER: António Óscar Fragoso **Carmona** (or Óscar **Carmona**)

12. On the title track off this album, a gospel choir declares "you can't even trust the air you breathe/'cause Mother Earth wants us all to leave". For 10 points each,

[10] Name this album with tracks like "Don't Get Lost in Heaven", "Dirty Harry", and "Dare".

ANSWER: **Demon Days**

[10] This song off *Demon Days* contains lyrics like "Windmill, windmill for the land/turn forever hand in hand" and a rap verse featuring the distinctive laugh of De La Soul's Maseo. It was the highest charting single off the album.

ANSWER: **"Feel Good Inc."**

[10] "Feel Good Inc." is by this "virtual band", a collaboration between former Blur frontman Damon Albarn and graphic artist Jamie Hewlett. Their other albums include *Plastic Beach* and *Humanz*.

ANSWER: **Gorillaz**

13. Despite the fact that initially only he received credit for their work, they flew in separate planes so the other could complete their work in case one died. For 10 points each, answer some questions about Christo and Jeanne-Claude.

[10] A series of works by Christo and Jeanne-Claude involve wrapping things in various fabrics. They've done this to landmarks such as the Pont-neuf and this German parliament building, whose glass dome was designed by Norman Foster.

ANSWER: **Reichstag**

[10] Another project by Christo and Jeanne-Claude was the installation of thousands of these objects in Japan and California. 1,340 blue ones were installed in Japan while 1,760 yellow ones were installed in California. They had to be removed when one toppled and killed a person.

ANSWER: **Umbrellas**

[10] For the artwork *The Gates*, Christo and Jeanne-Claude installed over 7,500 vinyl gates in this city. Other installation pieces in this city include Richard Serra's *Tilted Arc* and a room containing over 250 cubic yards of dirt.

ANSWER: **New York** <AF>

14. Answer some questions about Horror musical films. For 10 points each:

[10] Benjamin Barker is the real name of this "Demon Barber of Fleet Street" in a 2007 musical film named after him. Johnny Depp played this character in that Tim Burton musical.

ANSWER: **Sweeney Todd**

[10] Police inspector Neil Howie is burned alive by the residents of the remote Scottish island Summerisle in the titular structure at the end of this 1973 horror musical. Christopher Lee plays the Lord of Summerisle in this 1973 film.

ANSWER: *The **Wicker Man***

[10] This Scottish Christmas themed horror musical was released in December 2018 worldwide. In this film, the title character played by Ella Hunt fights off legions of zombies with her friends.

ANSWER: **Anna and the Apocalypse**

15. The second work from this author's best known series, *The Wise Man's Fear*, topped the New York Times bestseller list. For 10 points each:

[10] Name this epic fantasy author of *The Kingkiller Chronicle*. The first book in that series won a Quill Award in 2007.

ANSWER: Patrick **Rothfuss**

[10] Rothfuss wrote for *Unfettered*, a fantasy anthology that also included a story by this author of *The Magicians Trilogy*. That series followed the success of this author's second novel *Codex*.

ANSWER: Lev **Grossman**

[10] Grossman announced in 2016 that he was working on a novel titled *The Bright Sword*, about this mythical figure from Britain of the House of Pendragon.

ANSWER: King **Arthur**

16. For 10 points each, answer the following about ways non-humans can communicate with each other.

[10] In bees, Nasonov's gland produces one of these chemicals that signal messages to other bees. In general, these external hormones typically signal the presence of food or sex.

ANSWER: **pheromones**

[10] Certain bacteria produce autoinducing peptide for this purpose, which allow them to regulate gene expression based on population size through detecting concentrations of autoinducing peptide in the environment.

ANSWER: **quorum sensing**

[10] This creature, who died in 2018 had an IQ as high as in the 90s on some tests. She communicated through American Sign Language.

ANSWER: **Koko** [or **Hanabiko**]

17. Answer some questions about “family portraits”, for 10 points each:

[10] “Family Portrait” is the title of a story about Junior in this collection, set mostly on the Spokane reservation. Many stories in this collection follow Victor Joseph, who moves to Seattle with his white girlfriend in the title story.

ANSWER: **The Lone Ranger and Tonto Fistfight in Heaven**

[10] This artist sings “It ain’t easy, growing up in World War Three” in their song “Family Portrait”, though they may be better known for hits such as “Raise Your Glass”, “So What”, and the Nate Ruess-collaboration “Just Give Me A Reason”.

ANSWER: **P!nk** (or Alicia Beth **Moore**)

[10] Like its predecessor, Voyager, this spacecraft also took a picture called “Family Portrait”. This probe, which was launched in 2004, studies the planet Mercury.

ANSWER: **MESSENGER** (or “MERcury Surface, Space ENvironment, GEOchemistry, and Ranging”)

18. Answer some questions about non-DC or Marvel comic-based television shows, for 10 points each:

[10] This 2019 Netflix series is based on the comics series of the same name. Starring Ellen Page, this series follows a set of dysfunctional siblings trying to stop the apocalypse.

ANSWER: **The Umbrella Academy**

[10] This teen drama airs on the CW, and is as different from its source material in tone as is humanly possible. It takes its name from the town in which Archie Andrews and his friends live.

ANSWER: **Riverdale**

[10] This black comedy, based on an Image Comics series, stars Patton Oswalt as the titular tiny blue unicorn trying to save a little girl from a “Very Bad Santa”.

ANSWER: **Happy!**

19. Answer the following about annual events in sport, for 10 points each:

[10] This day showcases 5 consecutive major matchups in the NBA, including that of a final’s rematch of the prior season. Controversially, Toronto has only appeared once, despite recent success.

ANSWER: **Christmas** Day [or **December 25th**]

[10] This Memorial Day fixture was most recently won by Will Power. Its winner traditionally is presented with a bottle of milk.

ANSWER: **Indianapolis** 500 [or **Indy** 500]

[10] This hockey tournament hosted by the Swiss team HS Davos has its final every year on New Year’s Eve. Team Canada lost the most recent competition of this tournament to Finnish team KalPa.

ANSWER: **Spengler Cup**

20. Bruce Norris’s Pulitzer-winning play *Clybourne Park* is inspired by this play, and sees Karl Lindner pressuring the Stroller family. For 10 points each:

[10] Identify this play, whose writing and production is also depicted in the play *To Be Young, Gifted and Black*.

ANSWER: **A Raisin in the Sun**

[10] *A Raisin in the Sun* was written by this playwright, who also created Tshembe, a European intellectual who returns to Africa for his father’s funeral in the play *Les Blancs*.

ANSWER: Lorraine **Hansberry**

[10] Hansberry also wrote this play in which the title character helps get Wally O’Hara elected. In this play, the prostitute Gloria commits suicide after Alton Scales dumps her.

ANSWER: **The Sign in Sidney Brustein’s Window**