

Tossups

1. **Some examples of these things have a survival probability of the sine squared of the mixing angle as predicted by the Mikheyev-Smirnov-Wolfenstein effect. The quadruply eponymous PMNS matrix describes the behaviour of these things . These things with right handed chirality are known as their “sterile” type. To see if these particles are (*) their own antiparticles, scientists study double beta decay. This particle was studied in the Homestake experiment and was the original subject of SNOLAB. These particles have three flavour, tau, muon, and electron, and they can oscillate between those flavours. For 10 points, name these very small particles named for their neutral charge.**

ANSWER: **neutrino** [prompt on “lepton”]

2. **The four most recent albums released by one player of this instrument are titled *Voice, Move, Alive, and Spark*. A 1964 album composed by a player of this instrument includes tracks such as “Laurentide Waltz” and “Hogtown Blues”—that player of this instrument notably collaborated with Ray Brown and Herb Ellis. Another player of this instrument recorded *Criss Cross* and *Evidence* at the Blue Note, followed soon after by recordings for Prestige Records and Riverside Records in short succession. One player of this instrument is responsible for *Night Train* and (*) *Canadiana Suite* and was called the “maharaja” of his instrument. After Duke Ellington, one player of this instrument is the second-most recorded jazz composer in history for his compositions such as “Ruby, my dear” and “Round Midnight”. For 10 points, name this instrument played by Oscar Peterson and Thelonious Monk.**

Answer: **piano**

3. **One film collaboration between this country and Japan is the Akira Kurosawa-directed *Dersu Uzala*. In one film from this country, a backwards-playing montage of Hitler’s life is intercut with closeups of a character shooting a rifle. That film is *Come and See*. One film from this country features a tunnel called the “meat grinder”, and follows three men as they travel through (*) the “Zone”. In an earlier film from this country, a swastika-wearing bishop loses his army of Teutonic Knights when they fall into a frozen lake. A film by the same director of that movie from this country showed a tumbling baby carriage as part of a fictional massacre on the Odessa Steps. For 10 points, name this defunct country of directors Andrei Tarkovsky and Sergei Eisenstein.**

ANSWER: The **Union of Soviet Socialist Republics** (accept the **Soviet Union**, do not accept any constituent republics or successor states)

4. **This game was first conceived as a variation of and borrowed the rules from *Chainmail*, and was published by Tactical Studies Rules Inc. The *Unearthed Arcana* expansion of this game allows players to gain a sidekick, and the third edition of this game allows players to pick up feats. Currently published by Wizards of the Coast, common locations in this game include the continent of Faerûn(*) from the *Forgotten Realms* campaign setting or the Underdark, where dark elves or “drow” live. Gods in this game include Pan and the Raven Queen, where these gods are associated with the cleric class in this game. Players in this game can choose to play a class, such as wizard, and race, such as half-elf, although their fate is often ultimately decided by rolling a d20 die. For 10 points, name this table-top roleplaying game created by Gary Gygax.**

ANSWER: **Dungeons and Dragons**

5. **This leader faced rebellions during the later part of their reign, with one source describing how after crushing a revolt at Subatu the Great Lord Marduk inflicted a famine upon the people of this ruler. One source for the reign of this ruler which describes how they triumphed over 34 cities was a inscribed tablet recovered near Nippur. This ruler famously defeated (*) Lugal-Zage-Si of Umma, the last Sumerian King.**

According to various legends, this ruler allegedly served as cupbearer to Ur-Zababa, was allegedly put in a basket among the rushes like Moses, and may have served as inspiration for the biblical figure of Nimrod. For 10 points name this former bearer of Sandals and king of Akkad.

ANSWER: Sargon of Akkad (or Sargon the Great, Sargon I. Do not accept or prompt on “Carl Benjamin”)

6. This series was impacted by the switch from 16mm film to tape in the news, meaning that significant archival footage was taped over. In the first episode of this series, John Silvertooth describes seeing a man standing in the middle of the road, who then told him “they are coming”. This series was produced by Mark and Jay Duplass (*), and won “outstanding documentary series” at the 2018 Emmys. A significant amount of this series takes place in the town of Antelope, which before the events of this series had a population of 40. Osho was never charged with any crimes related to the first bioterror attack in the US that this series depicts, although other sannnyasins such as Jane Stork and Ma Anand Sheela were eventually prosecuted. For 10 points, name this Netflix docu-series about the Rajneeshes attempting to establish a utopia in rural Oregon.

ANSWER: Wild Wild Country

7. The first pitcher to strike out the side on nine pitches twice did so while playing for this franchise. That player, Lefty Grove, won two World Series and got his debut with this franchise. The longest serving manager in MLB history won over 3,500 games with this team and managed this franchise for 49 years. This team requires all of its players to wear white cleats and due to a remark by John McGraw this team’s jerseys have a white (*) elephant on their left sleeve. This franchise retired number 43 in honour of the first pitcher to record a 20-win season and a 50-save season. That pitcher is Dennis Eckersely, who along with Rickey Henderson helped this franchise win the 1989 World Series. for 10 points, name this baseball franchise whose current general manager is Billy Beane and that was the subject of *Moneyball*.

ANSWER: Oakland Athletics (accept either underlined portion of Oakland Athletics, accept A’s, accept only the full name for the Philadelphia Athletics, Kansas City Athletics) <AF>

8. *Description acceptable.*

In Bharati Mukherjee’s *The Holder of the World*, Beigh Masters brings about this development. A novel with this conceit is a slavery novel with protagonist Dana Franklin; that novel is Octavia Butler’s *Kindred*. Moses Nebogipfel appears in a sleepy Welsh town home to Reverend Cook in a novel with this conceit. *The Chronic Argonauts* has this conceit, which is also central to the troubles caused by Scorpius in a 2016 play partially titled for a (*) “cursed child”. The cryptic phrase “three turns ought to do it” is an instruction to bring about this development in order to save Buckbeak. This plot is central to a novel featuring the Eloi and the Morlocks written by H. G. Wells. For 10 points, identify this common science-fiction plot point that involves going to the past or future.

ANSWER: time travel [or “being unstuck in time”, “building a time machine”, “going back in time”, “going forward in time”, etc.]

9. Melchior Adam Weikard was one of the first physicians to describe this condition in 1775, for which he recommended that individuals be kept “solitary, in the dark” for treatment. This condition is often associated with working memory or processing speed deficits, and one of Dr. Russell Barkley’s scales for evaluating this condition also evaluates sluggish cognitive tempo. The DSM-5 is the first edition in which people may be diagnosed with both this disorder and autism, and children born (*) late in the school year are significantly more likely to be diagnosed with this disorder than their peers. To treat the under-active prefrontal cortex in this disorder, individuals are often prescribed methylphenidate or amphetamine stimulants such as Ritalin or Adderall. For 10 points, name this neurodevelopmental disorder with subtypes Predominantly Inattentive and Hyperactive-Impulsive.

ANSWER: Attention Deficit Hyperactivity Disorder (also accept Attention Deficit Disorder or hyperkinetic disorder)

10. This singer asked “I wonder why nobody don’t like me/or is it the fact that I’m ugly” in a song lamenting the reaction of their own children to this artist’s own appearance. Pitbull sampled one of this artist’s songs for a 2011 track that declares “Ok shawty what’s happenin’/ Girl let’s get this thing crackin’”. This artist sang about the title woman who ran off to Venezuela in (*) “Matilda”. This singer financially supported both SNCC [“snick”] and Martin Luther King Jr’s family during the Civil Rights era. In one song popularized by this singer, he mentions a “deadly black tarantula” before saying “daylight come and me want go home”. For 10 points, name this “King of Calypso”, known for songs like “Jump in the Line” and “Day-O (The Banana Boat Song)”.

ANSWER: Harry Belafonte

11. In December 2018, this leader shared an audio clip containing the phrase “I know how to cut” and “I can’t breathe” with several other leaders. The Russian foreign-language news service *Sputnik* has had arguably its greatest success in this leader’s country. This leader has come under heavy criticism for repeatedly showing footage of the Christchurch mosque attack at his rallies. A July 2016 (*) coup attempt against this leader recently resulted in the detainment of over 100 officials supposedly connected to cleric Fethullah Gulen. Most of the evidence for the Khashoggi murder was made public by this leader, in whose country the murder occurred. For 10 points, name this leader of the AK Party and current President of Turkey.

Answer: Recep Tayyip Erdoğan (pronounced “er-do-wan”)

12. In a 1997 re-review of this movie, Roger Ebert derided the main character of this film as “an insufferable creep” and a “young man of limited interest.” The main character of this movie deliberately sabotages a date by taking a girl to a strip club. The main character of this movie is forced to reveal a past (*) affair to a girl after the staff of the Taft hotel refer to him as “Mr. Gladstone.” This movie repeatedly uses the song “The Sound of Silence” and featured a full soundtrack by Dave Grusin and Simon & Garfunkel. In this movie, Mr. McGuire insists on telling the main character “just one word,” which is “Plastics.” For 10 points, name this movie where Benjamin Braddock is seduced by Mrs. Robinson.

ANSWER: The Graduate

13. An athlete with this last name is the namesake of the new multipurpose VTB Arena. An athlete with this last name pledged a million dollars to their city’s local arts scene but reneged after the recipient didn’t pay over 400 thousand dollars in service fees to that athlete’s parents. An athlete with this last name played a disappointing game at the 1962 FIFA World Cup where he let in 3 late goals in a 4-4 draw against Columbia. An athlete with this last name was acquired in exchange for (*) Zdeno Chara. FIFA’s Golden Glove award was formerly named for an athlete with this last name. For 10 points, name this last name shared by two Russian athletes, Lev, a soccer goalkeeper, and a former hockey player for the New York Islanders and Ottawa senators, Alexei.

ANSWER: Yashin

14. This person defeated William Stevens Fielding in a leadership election for their party. In 1909, this person received a PhD from Harvard for a dissertation arguing against Asian immigration to Canada. An opponent of this politician claimed they were holding onto power “like a lobster with lockjaw” and this person’s reputation was damaged by their cabinet’s (*) Beauharnois scandal. This person was appointed as the first ever Minister of Labour in 1909 by Wilfrid Laurier. A constitutional crisis erupted after Lord Byng refused to dissolve parliament at this person’s request. This Prime Minister oversaw the rejection of the MS St. Louis and the internment of Japanese Canadians. For 10 points, name this longest-serving Prime Minister of Canada, who led it during World War Two.

ANSWER: William Lyon MacKenzie King

15. A paper by DV Forrest hypothesises that intraoperative awareness may play a role in this phenomenon and that those who experience it should speak with their surgeons and anaesthetists. The earliest accounts of this phenomenon, termed as “paleo”, occurred in the late 1800s. In the Betty and

Barney Hill incident, the central figures were said to originate from Zeta Reticuli, and the couple later wrote a book on their experience of this phenomenon titled (*) *The Interrupted Journey*. Early studies claimed that 1,700 people have experienced this phenomenon, and one common occurrence across this experience is that people are often shown a hybrid “child”. This event typically contain four stages of a conference, a tour, a journey, and a theophany, all onboard some type of ship. For 10 points, name this phenomenon, after which claimants are always returned to Earth to deal with the consequences.

ANSWER: alien abduction (accept reasonable equivalents)

16. Queen recorded a cover version of this song for the film *Highlander* that plays from a car radio during the movie. A famous cover version of this song changes the lyric “come on, come through” from the original to “It’s up to you.” One of this song’s writers Frank Ebb later declared that he “didn’t even like” the repeated use of the phrase (*) “A-number-one” in a cover version of this song. This song is played immediately after “Auld Lang Syne” during New Years’ celebrations in Times Square. Yankee Stadium was asked by Liza Minelli to stop playing the original version of this song after lost games. Originally recorded for a 1977 Martin Scorsese film, for 10 points name this song about the most populous city in the United States that was famously covered by Frank Sinatra.

ANSWER: Theme From New York, New York (or just New York, New York)

17. Large doses of this nutrient have proven to be effective in some patients with maple syrup urine disease. This nutrient is deprotonated in the production of Sedoheptulose 7-phosphate in the pentose phosphate pathway as part of the transketolase enzyme. This nutrient is a cofactor for the first enzyme in the branched-chain alpha-keto acid dehydrogenase complex and also used for the (*) decarboxylation of pyruvate into acetyl co-A in cellular respiration while in its pyrophosphate form. Brain-damaging effects from Wernicke–Korsakoff syndrome, caused by a deficiency in this nutrient, can cause another disease with dry and wet forms. For 10 points, beriberi is caused by a deficiency in what nutrient, the first numbered in a list of water soluble vitamins?

ANSWER: Vitamin **B1** [accept thiamine]

18. The first game in this series was originally conceptualized as an adaptation of the film *Bloodsport*. A pair of feuding clans from this series are the Shirai Ryu and the Lin Kuei. One character in this series can kill people by sticking their hat in the ground and dragging someone into it. One character from this series has their own name tattooed on their chest and was based off of (*) Jean-Claude Van Damme. One character in this game takes their name from this series’ creators John Tobias and Ed Boon. That character, Noob Saibot, is the resurrected form of a blue-wearing ninja from this video game series called Sub-Zero. For 10 points name this extremely violent fighting game series known for its fatalities.

ANSWER: Mortal Kombat

19. In a work by this author, a statue of Diana chats with the Statue of Liberty. In a work by this author, the protagonist meets Annabel Adams in Elmore, Arkansas, and is pursued by the detective Ben Price. This author wrote about the bank robber Jimmy Valentine, who cracks a safe to save a girl, in the story “A Retrieved Reformation”. This author titled a collection after the population of New York City, and they set a novel-like collection of short stories in the Republic of Anchuria. This author of (*) *The Four Million* satirised Honduras as a “banana republic” in the work *Cabbages and Kings*. The pneumoniaic Johnsy is encouraged to live when a painter creates “The Last Leaf” in a work by this author who also wrote a work in which Johnny Dorset proves to be a nightmare for his kidnappers. For 10 points, identify this author of “The Ransom of Red Chief” and “The Gift of the Magi”.

ANSWER: O. Henry [or “William Sidney Porter”]

20. Bengalis associate the banana tree, kala bo, with this deity. An avatar of this deity killed the demon Madasur. A physical deformity in this deity leads to him also being known as Ekadanta. Buddhi, Siddhi, and Riddhi are given as this god’s wives, and this god is always worshipped first in any Hindu temple.

Modak and kozhukkatai are sweets strongly associated with this god, and they are prepared on the (*) chaturthi celebrating this god's birth. This god, who is worshipped as the remover of obstacles, walked around his parents three times to defeat his brother in a race to circumnavigate the world thrice. Shiva beheaded this god in a dispute over access to this god's mother while she bathed, which led to this god's most notable feature. For 10 points, identify this elephant-headed Hindu god.

ANSWER: **Ganesh** [or "**Vinaiyaka**", "**Pillaiyar**", "**Ganapati**"]

Bonuses

1. In mass spectroscopy, the identification of this element can be aided from the fact that its two isotopes, 79 and 81, occur in approximately equal natural amounts. For 10 points each:

[10] Adding this element to the N position of succinimide can produce a source of this element's radical.

ANSWER: **bromine**

[10] Bromine, like iodine and astatine, belong to this group of the periodic table. These elements' valence shell p-orbital is five sixths filled.

ANSWER: **halogen** [or group **17**]

[10] In this reaction, organic halides are produced when a diatomic halogen reacts with a silver salt of a carboxylic acid. A modification of this reaction, the Simonini reaction creates an ester in addition to the organic halide.

ANSWER: **Hunsdiecker-Borodin** reaction [accept either underlined answer]

2. The singer of this song states "then only for a minute/I want to change my mind/ Cause this just don't feel right to me". For 10 points each,

[10] Name this song by Marshmello, in which the singer reflects "Lately I've been thinking, I want you to be [the title state]".

ANSWER: "**Happier**"

[10] Marshmello collaborated with this group for "Happier". They are perhaps more well known for previous hits like "Pompeii" and "Flaws".

ANSWER: **Bastille**

[10] Both of Marshmello's two studio albums as well as an upcoming release have this title. This compound word is also included in the title of Marshmello's label.

ANSWER: **Joytime**

3. Name foods that double as folk remedies. For 10 points each,

[10] This poultry dish is known worldwide as a remedy for the common cold. In the US and Canada it often includes noodles, though the only real requirements are vegetables, spices, and a certain type of broth.

ANSWER: **chicken soup**

[10] This supposedly cold-fighting dessert originated in Jewish communities in East-Central Europe and the Caucasus. It is prepared by whipping raw egg and sugar, but often includes other flavours like honey and vodka.

ANSWER: **kogel mogel** (or **gogol mogol**)

[10] In East, South, and South-East Asia, this type of rice porridge is used as a home remedy for several ailments. It is prepared by boiling rice for a long period of time to extreme softness, usually with herbs or spices.

ANSWER: **congee**

4. Though it can't be traced to a single thinker, prominent thinkers in this school of thought include Shen Buhai and Shen Dao. For ten points each, answer some questions about a certain classical philosophy.

[10] A major work in this tradition is the eponymous text written by Han Fei which argued for a "two-handed" bureaucratic system, emphasizing the need for punishment and reward of ministers in order to maintain control.

ANSWER: **Legalism (Fajia)**

[10] The earliest surviving legalist text is this one, written by Shang Yang, an important reformer sometimes considered to have orchestrated the rise of the Qin dynasty. Along with the *Han Feizi* it is one of two legalist books we have largely intact, though it is considered less intellectually significant than the *Han Feizi*.

ANSWER: **The Book of Lord Shang (Shang jun shu)**

[10] Legalism is a classical philosophy of this country. Other philosophies from this country include Daoism and Confucianism.

ANSWER: **China** <AF>

5. “The Prisoner” is a poem by an author with this surname in which the title character describes nightly visions of God to her scoffing jailer. For 10 points each:

[10] Identify this shared last name of the poets who collaborated to create the Gondal saga.

ANSWER: **Bronte**

[10] Emily Bronte, who collaborated with her sister Anne on their juvenile poetry, is better known for this work, her only novel. This novel features the characters of Catherine Earnshaw and Heathcliff.

ANSWER: **Wuthering Heights**

[10] The Bronte poem “Aspin Castle” opens with these four words. A different poem that opens with these four words mentions the “depth and breadth and height” that the poet’s “soul can reach”.

ANSWER: **“How do I love”** [accept **“How do I love thee -- Let me count the ways”** or **“How do I love on summer nights”**]

6. This film includes noir, anime, and cartoon-pig versions of the main hero. For 10 points each,

[10] Name this 2019 Oscar winner for Best Animated Feature. In it, a team of multi-dimensional superheroes must close a portal opened under Manhattan by the Kingpin and Doc Ock.

ANSWER: *Spiderman: Into the Spiderverse*

[10] This purple-caped character made a rare film appearance in *Into the Spiderverse*. The Ultimate incarnation of this cat burglar villain is the alter ego of Aaron Davis and the uncle of Miles Morales.

ANSWER: the **Prowler**

[10] Aaron Davis was portrayed by this actor in *Spiderman: Homecoming*. This actor is also known for his roles as Lando Calrissian in *Solo: A Star Wars Story* and Troy on *Community*.

ANSWER: Donald **Glover**

7. The NFL has a stranglehold on the American football market, but that doesn’t stop other would-be competitors from trying. For 10 points each,

[10] This alternative league founded by WWE owner Vince McMahon emphasized sex, violence, and showmanship. One season, a blimp crash, and 70 million dollars in losses later, this league folded.

ANSWER: The **XFL**

[10] This league actually managed to steal some talent away from the NFL in the 80s, signing stars like Steve Young, Jim Kelly, and Reggie White. However, this league went bankrupt after a failed lawsuit against the NFL.

ANSWER: The **United States Football League**

[10] The Stallions of this city were the only team to provide consistent attendance during the CFL’s ill-fated American expansion. The Stallions became superfluous when the NFL returned to this city as “the Ravens”.

ANSWER: **Baltimore**

8. This disease first spread to Europe from Genoese Traders from the port city of Kaffa. For 10 points each:

[10] Name this disease that killed between 30 and 60 percent of Europe’s population during the 14th century.

ANSWER: The **Black Death** (or the **Bubonic Plague**, The **Great Plague**, the **Plague**, **Yersinia pestis**)

[10] People who performed this action during the Black Plague were condemned as Heretics by Pope Clement VI. One group that performed this action in Germany were known as the Brothers of the Cross.

ANSWER: Self-**Flagellation** (or **Flagellants**, prompt on “penitence” and “pilgrimage”)

[10] This King of Poland welcomed Jewish Refugees during the Black Death who were being persecuted in other parts of Europe. This King of Poland was the last from the Piast Dynasty.

ANSWER: **Casimir III** Piast (or **Casimir the Great**, **Kazimierz III** Piast, **Kazimierz Wielki**)

9. In the *Super Smash Bros.* series, this character has a fiery namesake punch. For 10 points each:

[10] Name this racer and bounty hunter who wears a red helmet and whose real name is Bart Lemming.

ANSWER: **Captain Falcon** (prompt on partial answer)

[10] Captain Falcon hails from this series of racing games. The most recent game from this series released in the west was subtitled GX and was for the Gamecube.

ANSWER: **F-Zero**

[10] This rival of Captain Falcon drives the vehicle Fire Stingray. This character's former right-hand man was named Antonio Guster.

ANSWER: Samurai **Goroh**

10. For 10 points each, answer some questions about a certain sculptor.

[10] This French artist is famous for sculptures such as *The Kiss*, *The Gates of Hell*, and one showing a seated man with his hand under his chin titled, *The Thinker*.

ANSWER: Auguste **Rodin**

[10] Rodin depicted this person dressed in a robe in one monument which was rejected by its commissioner, and other works by Rodin show this man with folded arms and completely naked.

ANSWER: Honoré de **Balzac**

[10] Rodin often made sculptures after this lover of his, who was a notable sculptor in her own right. This sculptor is known for works such as *The Waltz*, and a bronze and onyx statue of three women playing, called *The Wave*.

ANSWER: Camille **Claudel** <AF>

11. Answer some questions about the terrestrial cryptids of Asia. For 10 points each,

[10] Probably the most famous Asian cryptid is this large, mysterious Himalayan ape. It is sometimes referred to as the "Abominable Snowman" and was attested to by Everest pioneers like Tenzing Norgay.

ANSWER: **Yeti**

[10] This subterranean creature, probably inspired by the Tartar sand boa, is said to travel under the sands of the Gobi Desert. It can allegedly spit venom, generate electric shocks, and kill merely through touch.

ANSWER: **Mongolian death worm**

[10] In 2001, several inhabitants of New Delhi reported attacks by this hairy creature, causing a mass hysteria and even a police hunt. Reports of this creature had it anywhere from four to eight feet and sometimes wearing a helmet.

ANSWER: The **monkey-man** of (New) Delhi (accept obvious equivalents)

12. Finding these constructs in a two-player game involves making the other player indifferent between the relevant non-dominated actions. For 10 points each:

[10] In his article "Non-Cooperative Games", John Nash demonstrated that at least one of these specific constructs will exist in any game with a finite set of players.

Answer: **mixed-strategy Nash equilibrium** (do not prompt on **Nash equilibrium**)

[10] Games of this type have a pure strategy Nash equilibrium. The actions available to the two players in this game are typically described as "stay silent" and "betray".

Answer: **prisoner's dilemma**

[10] This game, whose name was coined by Rousseau, has two pure strategy Nash equilibria of which only one is Pareto optimal.

Answer: **stag hunt** (accept on **trust dilemma**, **coordination game**, or **assurance game**)

13. WARNING: 2 answers required. The music video for the first of these two songs features Joe Jonas, Jack Antonoff, Charlie Puth, and many others being sexy. For 10 points each:

[10] Identify these 2 Charli XCX songs, that were released in 2017 and 2018. The latter of these two songs is a faux-lesbian collaboration with Rita Ora, Cardi B, and Bebe Rexha.

ANSWER: “**Boys**” and “**Girls**” (accept answers in either order)

[10] The pop band Boys Like Girls released a single whose title says that “She” has one of these figures now. A Justin Bieber song titled for one of these figures includes the lyric “So say hello to falsetto in 3, 2...”

ANSWER: **Boyfriend**

[10] This British girl group declared that “Boys and girls look good together” in their single “2 Become 1”. The only black member of this group was dubbed “Scary” alongside names like “Baby” and “Posh”.

ANSWER: The **Spice Girls**

14. This person names a law of large numbers saying that the observed probability will converge to the actual probability given enough occurrences. For 10 points each:

[10] Name this person who also names a paradox with Kolmogorov related to finding the conditional probability when the condition’s probability is zero.

ANSWER: Emile **Borel**

[10] Borel is probably most famous for a theorem conamed with Eduard Heine that says sets with this characteristic is the same as saying the set is bounded and closed.

ANSWER: **compact** [accept word forms]

[10] Bolzano and Weierstrass name a theorem similar to Heine-Borel on these things, which states that all bounded examples of these things has a convergent sub- one of these things. The summation of these things form a series.

ANSWER: **sequence**

15. For 10 points each, identify some countries based on the contributions immigrants have made to Canadian literature:

[10] A second-generation immigrant from this country wrote *The Second Life of Samuel Tyne*, whose depressed title character moves to an all-black town in Alberta. The ending of Yaa Gyasi’s *Homegoing* is set in this country’s Cape Coast Castle dungeons.

ANSWER: **Ghana**

[10] The author of *The Panic Button* and *The Rajapaksa Stories*, Koom Kankesan, is a Toronto-based author who hails from this country. *Funny Boy* was written by the openly gay Shyam Selvadurai, an author born in this country, that is also the birthplace of Michael Ondaatje.

ANSWER: **Sri Lanka**

[10] The play *Yellow Fever* reworks Sam Spade to be of this ethnicity, and is set in the Vancouver neighbourhood of Powell Street, which used to be a former hub of immigrants from this country. A different author of this ethnicity wrote *The Face* and 2013’s *A Tale for the Time Being*.

ANSWER: **Japanese**

16. If you really can’t wait for the summer, why not travel to these hot places to warm your bones? Identify the following global hotspots, for 10 points each:

[10] The world record for the highest average temperature for an inhabited location is Dallol, characterised by salt flats and hydrothermal vents in the Afar region of this country, currently led by Sahle-Work Zewde.

Answer: **Ethiopia**

[10] With a ground temperature recording of 93.9 °C on July 15, 1972, the appropriately-named Furnace Creek located in this national park is recognized as being the location of the hottest single day in the world so far.

Answer: **Death Valley**

[10] This desert, known in English as “the Empty Quarter” is the largest contiguous sand desert in the world. Part of a larger desert named after its home peninsula, sand dunes here can reach up to 250 metres in height.

Answer: **Rub’ al Khali**

17. Gabriel Byrne plays mob enforcer Tom Reagan in this film. For 10 points each:

[10] Name this film, where Tom Reagan fakes an execution of Bernie Bernbaum in the titular location.

ANSWER: Miller's Crossing

[10] *Miller's Crossing* is a film by this pair of directors. These people also directed the films *Fargo* and *Barton Fink*.

ANSWER: The Coen Brothers (or Joel and Ethan Coen, or Roderick Jaynes)

[10] This actor, who died in February of 2019, portrayed Irish crime boss Leo O'Bannon in *Miller's Crossing*.

This man received an Oscar nomination for best supporting actor for portraying Ed Masry in *Erin Brockovich*.

ANSWER: Albert Finney, Jr.

18. This series was rebooted in 2011- the reboot lasted 4 episodes, in comparison with the original's 110. For 10 points each:

[10] Name this crime drama series, starring Kate Jackson, Jaclyn Smith, and Farrah Fawcett. It follows the adventures of three private investigators in L.A.

ANSWER: Charlie's Angels

[10] Their boss in the original series, Charlie, was never seen, but spoke via speakerphone and was voiced by this actor. He also played the patriarch of the family in *Dynasty*.

ANSWER: John Forsythe

[10] In one episode, the original Angels visited the setting of this other ABC network series. This series' cast, such as Gavin MacLeod as Captain Merrill Stubing, made guest appearances.

ANSWER: The Love Boat

19. In 2018, this athlete became the first to win back to back US Opens since Curtis Strange did so in 1988 and 1989. For 10 points each:

[10] Name this athlete who beat Tommy Fleetwood by one stroke to win the 2018 US Open. Later in 2018, this athlete won the 2018 PGA tour, 2 strokes ahead of Tiger Woods.

ANSWER: Brooks Koepka

[10] In the 2018 golf season, this first Major tournament of the year was won by Patrick Reed. This tournament's winner wears a ceremonial Green Jacket.

ANSWER: Masters Tournament

[10] Koepka beat out Brian Harman and this Japanese golfer to win the 2017 US Open. This golfer became 2nd ranked in the world after his runner-up performance, and also came 5th at the 2017 PGA Championship.

ANSWER: Hideki Matsuyama

20. This war was ended by the treaty of Guadalupe Hidalgo. For 10 points each:

[10] Name this war, where one side was led by President James Polk.

ANSWER: The Mexican-American War (Prompt on "The Mexican War," accept the American intervention in Mexico or obvious equivalents)

[10] Mexico was led for part of the war by this General who returned from exile in Cuba in order to lead Mexico. This general fought Zachary Taylor at the battle of Buena Vista and lost the Battle of Cerro Gordo to Winfield Scott.

ANSWER: Antonio López de Santa Anna (or Antonio de Padua María Severino López de Santa Anna y Pérez de Lebrón)

[10] The Niños Héroes, a group of teenage Mexican military cadets, died defending this castle located in Mexico City. This castle served as the location for Mexico's Colegio Militar.

ANSWER: Chapultepec Castle