

MKULTR4: Very Vague And Not Well-Funded

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Finals 1

Tossups

1. **Secret identities adopted by characters in this series include Rhonda Mumps and Jake Jortles, and one character in this series spends most of an episode responding to all requests by giving people cacti. One character in this series suffers from “directional insanity”, and another responds to a plan to use him as a “willing sex robot” with the phrase “Maximum (*) Derek!”** A 3,000 page manuscript is discarded as incomprehensible by a being who knows “literally everything” in this series; that work is *What We Owe To Each Other*, by Chidi Anagonye. For 10 points, name this 2016 comedy series created by Michael Schur and starring Ted Danson and Kristen Bell, in which Eleanor Shellstrop arrives in the eponymous ideal afterlife by mistake.

ANSWER: *The Good Place* <EL>

2. **In one scene, this character is described in a simile as “like a wolf, lying in wait by a full sheepfold” who is “tormented by its dry bloodless jaws”. This character is opposed in one council by a man often considered a reflection of Cicero, Drances. It’s not the title character of the work in which they appear, but in Book Six the Sibyl heralds this character as a new (*) Achilles.** During this character's final fight, after a borrowed sword shatters, their divine sister brings them another. This man asks their rival to “pity Daunus’ old age” when wounded in the thigh, but is killed when that rival sees this man wearing the sword-belt of Pallas. For 10 points, name this king of the Rutuli, whose death at the hands of Aeneas ends Virgil’s epic.

Answer: Turnus <OSC>

3. **This author wrote a play in which a series of statements like “You have a lot of friends” and “What do you offer your friends to make them so supportive” are separated by “a long silence.” In one play by this author a character declares that she would puke everywhere if she ate one of the ham sandwiches left outside their room. This author committed suicide before the initial performance of a play titled for the time in the morning at which this author would often wake up depressed. This author of (*) 4.48 *Psychosis* wrote a play in which an unnamed soldier arrives to a mortar struck hotel room before sucking out and eating the eyes of the man in the room. That play concerns the bizarre relationship between the foul Ian and the simple Cate. For 10 points, name this author of *Blasted*.**

ANSWER: Sarah Kane

4. **This artist resented not being called “artist-in-residence” during his time working in the basement of the Annina Nosei gallery. Two pink-purple policemen beat a ghostly black figure in the centre of this artist’s *Defacement (the Death of Michael Stewart)*. A book titled *Widow* [this artist] was written by Jennifer Clement based on the recollections of Suzanne Mallouk. René Ricard’s article about this artist, “The Radiant Child”, has given its title to a recent documentary on this artist. This artist gained notoriety through his collaboration with Al Diaz under the (*) tag SAMO. A boxing-style series of posters was used to advertise a joined exhibition this artist did with Andy Warhol. For 10 points, name this Haitian-American graffiti artist.**

ANSWER: Jean-Michel Basquiat <JG>

5. **Post-translational attachment of myristic acid to the N-terminus of *Src* family tyrosine kinases results in their migration to this structure. During MAPK/Ras signalling, Son-of-Sevenless is recruited to bind to EGFR which is localised in this structure. This structure can invaginate to form**

a clathrin-coated pit in the best-studied form of (*) endocytosis. Large beta-barrels are often found in porins, a family of proteins often used for transport across this structure. Flippase and scramblase are among the enzymes which reorganise the components of this organelle. The fluid mosaic model is often used to model this organelle, which consists of proteins embedded in a phospholipid bilayer. For 10 points, name this outer layer of an animal cell.

ANSWER: Cell membrane (or plasma membrane or plasmalemma)

6. All members of the *Rhacodactylus* genus are found in this territory, including the world's largest gecko. The *Amborella* plant genus native to this territory was one of the first to branch off from the angiosperms. A family of flightless birds endemic to this territory possess unique "corns" covering their nostrils, can use their wings to help them climb trees, and are called kagus. A (*) crow found in this territory has been observed trimming twigs off branches to make them better suited for probing anthills in an unusual example of avian tool manufacture. This territory will hold an independence referendum in November 2018 in accordance with an agreement with its native Kanak people. For 10 points, name this French overseas territory with its capital at Noumea.

ANSWER: New Caledonia [accept Nouvelle-Calédonie]

7. In the second season of *The Genius*, the token of immortality is hidden behind a sign bearing this man's name. A song named for this man was Daniel Bedingfield's second single, and is subtitled 'I Wanna Know'. The first solo single by another man who shares this name was 'That's No Way to Tell a Lie', and other singles recorded by that man include 'Autumnsong', (*) 'Motorcycle Emptiness', and 'A Design For Life'. As well as the lead singer of the Manic Street Preachers, another character with this name was the son of a transgender woman portrayed by Karen Black in a film whose title asks a man of this name to *Come Back to the Five and Dime*. For 10 points, give the name of this man, the star of *Giant*, *East of Eden*, and *Rebel Without a Cause*.

ANSWER: James Dean [prompt on partial answers, accept James Dean Boulevard, 'James Dean (I Wanna Know)', James Dean Bradfield, Jimmy Dean, or Come Back to the Five and Dime, Jimmy Dean, Jimmy Dean, prompt on 'Bradfield'] <EL>

8. Upon receiving legal threats, Domenico Monleone reworked an opera of this name into his work *La giostra dei falchi*. In this opera, after being dismissed by her lover, a peasant girl wishes a cursed Easter upon him. It's not *The Marriage of Figaro*, but in this opera, a character's mother learns of her son's adultery in the aria (*) "Voi lo sapete". In this opera, which won first prize in a competition organised by Casa Sozegno, Turridu bites Alfio's ear to accept a duel, which occurs after this opera's famous *Intermezzo* plays. This opera, often considered to be the first in the *verismo* style, is often performed alongside Leoncavallo's *I Pagliacci*. For 10 points, name this most famous opera by Pietro Mascagni.

ANSWER: Cavalleria Rusticana [or Rustic Chivalry] <BS>

9. Poenius Postumus is reported as having committed suicide for failing to bring his troops to share in the glory of victory at this battle. Cassius Dio's narrative of this battle contradicts an earlier account by suggesting that the Romans advanced rather than held their ground in a narrow defile. That earlier account likely draws on the experiences of one staff officer at this battle, the author's father-in-law, who would later become governor of (*) Britannia, Agricola. Tacitus claims during this battle only four hundred Romans fell for eighty thousand casualties on the opposing side. Londinium and Verulamium were sacked prior to this battle. For 10 points, name this battle in which Roman forces under Gaius Suetonius Paulinus defeated a coalition of British forces, led by Boudicca.

ANSWER: Battle of Watling Street <OSC>

10. Wilbur Glenn Voliva, head of the Christian Catholic Church, claimed that the 1928 disappearance of the *Italia* proved this theory, and offered a \$5,000 prize to anyone who could

disprove it. Preacher John Jasper's most notable sermon, 'Der sun do move', promoted this theory, and it first came to prominence through Samuel Rowbotham's pamphlet (*) *Zetetic Astronomy*. This theory titled Thomas Dolby's second album and fan club, and it was also promoted in a 2016 diss track by rapper B.o.B, following a Twitter argument with Neil DeGrasse Tyson. Numerous YouTube videos claiming to prove this theory were recorded during the 2017 solar eclipse. For 10 points, name this popular conspiracy theory, claiming that governments and space agencies are conspiring to lie about the shape of the planet.

ANSWER: **Flat Earth** theory [accept clear-knowledge alternatives, prompt on 'geocentrism'] <EL>

11. One scholar has compared this text to a similar, later one from the Cretan city of Gortyn, and suggested that "it was not made to be read, but to be seen". David Wright has argued for the direct reception of this text, rather than oral transmission, in one section of the Book of Exodus. It's not written in Persian, but one version of this text was discovered at (*) Susa. The Louvre houses that version of this text, inscribed on a black stele below a portrait of its namesake ruler standing before the god Shamash. The prologue of this text describes how the gods called the "exalted prince, who feared God, to bring about the rule of righteousness" and his subsequent conquests of cities such as Ur and Uruk. For 10 points, name this text, composed in the 18th century BC, which lists many cases and verdicts of a Babylonian king.

ANSWER: **Code of Hammurabi** <OSC>

12. A generalization by this man showed that the exponentials of distinct algebraic numbers are linearly independent over the algebraics. In metrizable spaces, a theorem named partially for this man is equivalent to the Heine-Borel theorem, since compactness is equivalent to sequential compactness. This mathematician generalised Lindemann's proof of the (*) transcendentality of pi, and he showed that a function over a closed bounded interval can be approximated arbitrarily closely by a polynomial - his "approximation theorem". In one dimension, this man's most famous result states that every bounded sequence of reals has a convergent subsequence. For 10 points, name this "father of modern analysis", who names a theorem with Bernard Bolzano.

ANSWER: Karl **Weierstrass** <BS>

13. In preparation for this technique, biological samples can be soaked with heavy ions in the multiple isomorphous replacement protocol. Hermann-Mauguin notation is preferred in this technique as it can easily incorporate translational symmetry. The systematic absences observed in this technique can be used to determine the (*) space group of the analyte. Laue's equations describe this technique, whose application to biological samples was pioneered by Dorothy Hodgkin. For 10 points, name this technique where high energy electromagnetic radiation is used to analyse crystal structures.

ANSWER: **X-ray crystallography** (accept **X-ray diffraction**, prompt on 'crystallography', probably accept **neutron diffraction** before "Dorothy")

14. Karen Hantze Susman won all of her Grand Slam doubles titles while partnering this player. Chris Evert blamed one of her losses to this player on being distracted after seeing her former fiancé Jimmy Connors in the crowd. In her last Wimbledon title, this player destroyed Evonne Goolagong Cawley with the loss of only one game. This athlete led the (*) "Original Nine" to sign nominal one-dollar contracts at the foundation of the Virginia Slims tour, which aimed to redress pay inequality in tennis. In 2006, the tennis centre which hosts the US Open was renamed in honour of this player. For 10 points, name this founder of the Women's Tennis Association who also beat Bobby Riggs in the *Battle of the Sexes*.

ANSWER: Billie Jean **King**

15. Michael Hofmann claimed that Paul Mariani's recent biography of this poet is in the category of "bad biographies that tell you nothing about their subject's breakfast preferences." This poet wrote a poem whose speaker claims to be "not less myself" just because they descended through "what you called / The loneliest air". This poet claimed that one must "have been cold a long time / to behold the junipers shagged with ice." This poet of (*) "Tea at the Palaz of Hoon" described how the "dresser of deal" lacks "three glass knobs" in another poem. The instruction to "whip / In kitchen cups concupiscent curds" is given to a "the roller of big cigars" in one of this man's poems. For 10 points, what author included "The Snow Man" and "The Emperor of Ice Cream" in his collection *Harmonium*?

ANSWER: Wallace Stevens

16. This figure's captor tries to kill him three times at three months old, but all these attempts fail. This figure's father is presumed dead before his birth, and the title of the first work in which this figure appears calls him the "Son of Evil". This figure unknowingly bribes his own sister into sleeping with him, after which she drowns herself in a river. This figure later kills himself on the same spot, after (*) asking his sword to kill him and the sword replying in song. This figure disguises a group of bears and wolves as cows, then asks his employer's wife to milk them, in revenge for her breaking his knife by hiding stones in a loaf of bread. The killer of Pohjan Tytär and slave of Ilmarinen, for 10 points, name this ill-fated young man from songs 31-36 of the *Kalevala*.

ANSWER: Kullervo [do not accept 'Kalervo', but give them the benefit of the doubt if it's unclear] <EL>

17. One paper by this philosopher argues that E.F. Carritt is incorrect to claim that utilitarianism permits too much. That paper by this philosopher seeks to distinguish "justifying a practice and justifying a particular action falling under" that practice. This philosopher held that it is okay to deviate from equality as long that resulting inequalities improve the lot of the (*) least well off. This author of "Two Concepts of Rules" introduced the Difference Principle. This philosopher created a thought experiment in which parties decide from behind the veil of ignorance the structure of the society they want; that is the original position. For 10 points, name this author of *A Theory of Justice*.

ANSWER: John Rawls <JG>

18. This thinker argued that romantic love became possible thanks to the ability to create a narrative of oneself in *The Transformation of Intimacy*. This thinker distinguished one-way natural sciences in which scientists study chemicals while chemicals don't care about us, from the double-hermeneutic present in the social sciences. In *The Constitution of Society* this thinker laid out a theory that prioritises neither structure nor agents in the analysis of society. It's not Ulrich Beck, but this thinker is strongly linked to the notion of the risk society within (*) modernity. This sociologist is best-known for his simultaneous rejection of socialism and neoliberalism. For 10 points, name this sociologist who tried to legitimise the idea of the Third Way.

ANSWER: Anthony Giddens <JG>

19. A photo essay about these structures analyses how they induce a feeling "internal and external, of being immediately crushed," while simultaneously slowing down physical activity and heightening one's anxiety. A 1975 book by Paul Virilio concerns the *Archaeology* of these structures. A planned complex of these structures was codenamed Bauvorhaben 21, but Operation Crossbow stalled its construction. Enver Hoxha's love of building these (*) military structures led to the construction of over 170,000 in Albania by the 1980s. These structures are contrasted with above ground blockhouses. For 10 points, name these defensive structures with a pillbox variety.

ANSWER: bunkers <JG>

20. In *Nanamaru Sanbatsu*, Jinko makes a set of these objects that make farmyard animal sounds. An American television channel named for these objects has the slogan 'Let's Play', and its first broadcast was the pilot episode of *Let's Make a Deal*. A series of PlayStation games featuring the

voice of Jason Donovan used these peripherals, with five coloured buttons. In *Richard Osman's House of Games*, only (*) 'Answer Smash' is played using these things. On *QI*, these things produce a series of comedic themed sound clips. These things are deactivated for a fraction of a second in *Jeopardy!* if a contestant tries to use them before Alex has finished giving the clue. For 10 points, name these electronic signalling devices widely used in quizzes, which you might be instructed to have your fingers on.

ANSWER: **buzzer**s <EL>

Bonuses

1. Two anthropologists with this last name collaborated to produce *Of Revelation and Revolution*, which analyses how British colonial Christianity impacted the religious imagination of the Tswana people. For 10 points each:

[10] Give this last name of the married anthropologists Jean and John.

ANSWER: **Comaroff**

[10] Jean and John Comaroff collaborated on a book about this kind of *Capitalism and the Culture of Neoliberalism*. This term describes a generation born in the 1980s and 90s.

ANSWER: **Millennials**

[10] The tradition of anthropology of religion that the Comaroffs work in was kicked off by this thinker's *Elementary Forms of the Religious Life*.

ANSWER: Émile **Durkheim** <JG>

2. A woman stands in front of a sketchily decorated oriental screen while holding the title *Tanagra* figurine in one New York painting by this artist. For 10 points each:

[10] Identify this artist. This artist spent much time on the Isles of Shoals painting Celia Thaxter who convinced him to drop his first name.

ANSWER: Frederick Childe **Hassam**

[10] Hassam's painting *Rainy Day, Columbus Avenue* is a very direct quotation of this artist's *Paris Street, Rainy Day*.

ANSWER: Gustave **Caillebotte**

[10] Hassam's *The Avenue in the Rain*, which was in the Oval Office during the Obama administration, depicts several of these objects. Jasper Johns made an iconic version of this object after he was discharged from the army.

ANSWER: American **flag** <JG>

3. Even before Jamie Oliver, British foodies have been experts at misunderstanding non-European food. For 10 points each:

[10] There was uproar over a Time Out video of people poking at these Shanghainese pork dumplings with their chopsticks and, horror of horrors, letting the broth spill out.

ANSWER: **Xiaolongbao** [prompt on partial, accept **siaulon moedeu**]

[10] 2018's series of Masterchef courted controversy after John Torode claimed that this Malaysian chicken dish should have a crispy skin. In this dish, meat is cooked in coconut milk and spices until dry.

ANSWER: Chicken **Rendang**

[10] On a visit to Bangkok, Gordon Ramsay was ripped apart by Chef Chang over his attempt at this dish, where rice noodles are stir-fried with eggs, tamarind paste, and shrimp.

ANSWER: **Pad Thai**

4. Along with bronzeware inscriptions, writing for this purpose is the earliest recorded in China. For 10 points each:

[10] Name this form of divination, in which ox bones and turtle shells were inscribed with questions to the gods during the late Shang and early Zhou dynasties.

ANSWER: **pyromancy** (accept **scapulimancy** or **plastromancy**)

[10] The earliest known writing from Japan is a Chinese inscription gifted during the Han Dynasty to the King of Na, inscribed on a golden one of these objects.

ANSWER: **seal** (accept **hanko**)

[10] The earliest longer texts composed in Japanese, such as the early chronicles the *Kojiki* and the *Nihon Shoki*, were produced during this period, named for the capital before Kyoto.

ANSWER: **Nara** period [accept **Nara jidai**] <OSC>

5. This text claims that “Scripture must be protected from those who do not deserve it”, and scholars of this text are known as *al-Uqqāl*, or ‘Knowledgeable Ones’. FTPE:

[10] Name this religious text, made up of 111 letters in six books out of a purported original twenty-four, compiled in 1479 by ‘Abd-Allah Al-Tanukhi.

ANSWER: **Epistles of Wisdom** [accept **Book of Wisdom**, **Rasa’il al-Hikma**, or **Kitab al-Hikma**]

[10] The *Epistles* form one of the central religious texts of this unitarian ethnoreligious group, founded by Hamza ibn ‘Alī ibn Aḥmad and found primarily in Syria.

ANSWER: **Druze** [accept **durzī**, **durūz**, **druzim** or **Ahl at-Tawhid**]

[10] The Druze do not use iconography, but instead use the colours green, red, yellow, blue, and white as a religious symbol, either as a striped flag or arranged in this shape.

ANSWER: five-pointed **star** <EL>

6. Answer some questions about the letter ‘v’ in literature, for 10 points each.

[10] This poet wrote a poem titled “V” in which the speaker visits a cemetery that is covered with graffiti left by Leeds United fans saying “CUNT, PISS, SHIT and (mostly) FUCK!”

ANSWER: Tony **Harrison**

[10] This author’s debut novel *V* concerns the “schemil and human yo-yo” Benny Profane and his association with the Whole Sick Crew.

ANSWER: Thomas **Pynchon**

[10] This graphic novelist and comic book writer wrote about a Guy Fawkes inspired anarchist activist in *V for Vendetta*.

ANSWER: Alan **Moore**

7. In *The Cultural Politics of Emotion* this thinker argued that emotions are not mental states but cultural norms, and that bodies derive their value from the performance of emotion. For 10 points each:

[10] Identify this philosopher. In *The Promise of Happiness* this scholar analysed the demands made by sentences like “I’m happy if you’re happy.”

ANSWER: Sara **Ahmed**

[10] Sara Ahmed wrote a book titled for this kind of *Phenomenology*. A subset of critical theory described by this adjective was pioneered by Jack Halberstam and Eve Sedgwick, and it centres on readings of texts with a focus on issues of sexuality and gender..

ANSWER: **queer**

[10] Ahmed resigned her post at this university in 2016 in protest over sexual harassment of students.

This university lost Mark Fisher to suicide in 2017.

ANSWER: **Goldsmiths**, University of London <JG>

8. The Justice League get a lot of press these days, but now let’s have some bonuses on the Justice

Society of America. FTPE:

[10] Alan Scott, one of the founding members of the JSA, was the first superhero with this name, later borne by Kyle Rayner and Hal Jordan, who all manipulate light of a certain colour with a 'power ring'.

ANSWER: **Green Lantern** [accept anyone reciting the whole Green Lantern oath, because they're my kind of people]

[10] Another early JSA member was Ted Knight, who would later pass this superhero persona, as well as his energy-manipulating 'gravity rod' to his sons David and Jack.

ANSWER: **Starman**

[10] A later addition to the JSA (later retconned into an early member, because comics), was Hippolyta, queen of the Amazons, who would use this identity for a while before passing it to her daughter Diana.

ANSWER: **Wonder Woman** <EL>

9. The Liouville-von Neumann equation states that the commutator of this operator and the Hamiltonian is equal to $i\hbar$ times the time derivative of this operator. For 10 points each:

[10] Name this matrix useful in the description of mixed quantum states.

ANSWER: **Density** matrix (or **rho**)

[10] When describing pure states instead of mixed states, it is possible to use these structures which are contrasted with "bras" in Dirac notation.

ANSWER: **Kets**

[10] Density matrices are often used in this field on account of the noisiness of state preparation. This field aims to use qubits (**Q-Bits**) which can be in a superposition of states.

ANSWER: **Quantum computing**

10. This man's term as Prime Minister came to an unexpectedly short end in December 1967. For 10 points each:

[10] Name this man, leader of the Liberals, who disappeared off Cheviot Beach, and may or may not have been picked up by a Chinese submarine.

ANSWER: Harold **Holt**

[10] Holt pushed forward a referendum which allowed the Federal Government to make laws for this group for the first time.

ANSWER: **Indigenous Australians** [accept **Aborigines**, or **Aboriginal** and Torres Strait Islander peoples]

[10] Holt declared that he would be "all the way with" this leader, justifying his military support for that leader in part because of Australia's obligations as part of SEATO.

ANSWER: Lyndon B. **Johnson** (accept **LBJ**) <OSC>

11. Travel and nature writers don't necessarily have to leave the UK to find nice things to write about. For 10 points each:

[10] Identify this *Portrait of an English Village* by Ronald Blythe. This book consists of forty-nine monologues of its title town, which are linked by reflective essays by its author.

ANSWER: **Akenfield**: *Portrait of an English Village*

[10] This nature writer runs a series on his twitter page about obscure British words used to describe landscape and rural life. He wrote *The Old Ways* and *Landmarks*.

ANSWER: Robert **Macfarlane**

[10] This American travel writer explored Britain in *Notes from a Small Island*.

ANSWER: Bill **Bryson**

12. One song by this artist claims that Radiohead, the Beach Boys, Nirvana, Crass, and the Arctic Monkeys are all "just a band". FTPE:

[10] 'Thou Shalt Always Kill' was a breakthrough single for this rapper of 'Get Better', 'A Letter From God To Man', and 'The Beat That My Heart Skipped'.

ANSWER: Scroobius **Pip** [accept David **Meads**, if they say 'Dan le Sac vs Scroobius Pip', ask which one]

[10] This other rapper broke onto the scene with his 'WickedSkengMan' series of freestyles, and had later success with singles like 'Big For Your Boots' and 'Shut Up'.

ANSWER: **Stormzy** [accept Michael **Omari**]

[10] Both Pip and Stormzy come from this country, whose other successful rap acts include Lethal Bizzle, Tinie Tempah and Dizzee Rascal.

ANSWER: **United Kingdom** [accept **England**, but not any of the other component countries of the UK]
<EL>

13. Conflict in South America did not end with the Wars of Independence. For 10 points each:

[10] Name this secessionist southern state, supported by Giuseppe Garibaldi, which fought the Empire of Brazil during the "Ragamuffin War" for a decade from 1836.

Answer: the **Riograndese Republic** (accept **Piratini Republic**, **República Rio-Grandense**, or **República do Piratini**)

[10] Name this astonishingly bloody war, which saw perhaps 60% of the population of the losers die in a war dragged out by a guerilla conflict under the command of Solano Lopez.

Answer: **Paraguayan War** (accept **War of the Triple Alliance**)

[10] A small-scale conflict between Spain and its former colonies Peru and Chile was fought over this resource, after Spain seized the Chincha Islands.

Answer: **guano** <OSC>

14. The Arrhenius definition for these substances states that they supply the hydronium ion in aqueous solution. For 10 points each:

[10] Name these substances with pH lower than 7.

ANSWER: **Acids**

[10] In industrial chemistry, zeolites are often used as "solid acids", but in smaller labs they are more commonly used as molecular sieves for performing this task on solvents. Another method of performing this process adds magnesium sulfate until it stops clumping.

ANSWER: **Drying** (or **Dessication**)

[10] One use of solid acid catalysts is in the Beckmann rearrangement of cyclohexyl oxime to this compound, which is then polymerised to form Nylon-6.

ANSWER: **Caprolactam** (or **azepam-2-one** or **hexano-6-lactam**)

15. Books by this woman's alter ego Kat Cataclysm include *General Surgery and Surgeons General*, and the as-yet unpublished *99 Eric's*. FTPE:

[10] Name this author, musician, scientist and trans activist, whose other works include the Lambda Award finalist *Outspoken: A Decade of Transgender Activism and Trans Feminism*.

ANSWER: Julia Michelle **Serano**

[10] Probably Serano's most famous work is this essay collection, subtitled *A Transsexual Woman on Sexism and the Scapegoating of Femininity*.

ANSWER: **Whipping Girl**

[10] Serano also makes music - for example, the track 'Ray' by her project *soft vowel sounds* is a parody of/reply to this casually transphobic 1970 Kinks song.

ANSWER: **'Lola'** <EL>

16. The official account of this author's death is that he drowned himself in Taiping Lake after facing humiliation as a counterrevolutionary during the Cultural Revolution. For 10 points each:

[10] Identify this author of *Rickshaw Boy*. This author also wrote a novel in which a man crashes into Mars only to discover himself in a land ruled by humanoid cats.

ANSWER: **Lao She** [or **Sheyu** or **Shu Qingchun**]

[10] This author's memory was given a very positive treatment during the cultural revolution. This author's collection *Call to Arms* includes "The True Story of Ah Q" and his Gogol inspired "A Madman's Diary".

ANSWER: **Lu Xun**

[10] Lu Xun played an important role in this anti-imperialist movement named for the date on which the student protest of the government's reaction to the Treaty of Versailles occurred.

ANSWER: **May Fourth** Movement

17. This technique is exemplified by Stockhausen's *Klavierstücke XI*, which consists of 19 fragments of sheet music to be played in any order. For 10 points each:

[10] Name this term describing music in which some elements of the performance are left up to chance.

ANSWER: **Aleatory** [or **aleatoric** music; or **indeterminate** music; prompt on **chance** music]

[10] This Polish composer used aleatory in both his *Canon* for strings and tape, and in his most famous work, *Threnody to the Victims of Hiroshima*.

ANSWER: Krzysztof **Penderecki**

[10] Related to aleatory, this composer championed "stochastic music", where the composition is based upon fixed probabilistic processes. Examples of his works include *Analogique*, based on Markov chains, and *Pithoprakta*, which was inspired by Maxwell-Boltzmann distributions.

ANSWER: Iannis **Xenakis** <BS>

18. You know what more films should do? Kill Hitler. FTPE:

[10] One of the more realistic cinematic Führer deaths is in this 2004 Oliver Hirschbiegel film, following the last days of Bruno Ganz's Hitler, leading up to his suicide in his bunker.

ANSWER: **Downfall** [accept **Der Untergang**]

[10] Somewhat less realistic is this 2009 Tarantino film, in which Hitler is gunned down in a burning cinema by Eli Roth's 'Bear Jew', Donny Donowitz.

ANSWER: **Inglourious Basterds**

[10] Through realism and out the other side, this 2015 German comedy sees Oliver Masucci's Hitler fall through time instead of dying, and wake up in modern Berlin, where he becomes a successful author.

ANSWER: **Look Who's Back** [accept **Er ist wieder da**] <EL>

19. A group of trees in the Deadvlei in this desert are thought to have died over 600 years ago but cannot decompose due to the extreme aridity. For 10 points each:

[10] Name this desert whose "Skeleton coast" is the site of many shipwrecks.

ANSWER: **Namib** Desert

[10] One of the endemic flora of the Namib Desert is this "living fossil" which only produces two long strap-like leaves that grow and fray throughout the life of the plant.

ANSWER: **Welwitschia Mirabilis** (or **Tumbo**)

[10] The Southern end of the Namib Desert borders this other African desert that extends into Namibia, Botswana and South Africa, and is home to the San ethnic group.

ANSWER: **Kalahari** Desert

20. It catalyses the reaction of carbon dioxide and water to form bicarbonate ions. For 10 points each:

[10] Name this catalytically perfect enzyme which plays a vital role in regulating the pH of blood.

ANSWER: **Carbonic anhydrase**

[10] Carbonic anhydrase contains an atom of this metal at its active site. This metal stabilised a protein fold in a namesake "finger" structural motif.

ANSWER: **Zinc** (or **Zn**, though I can't imagine why they'd give the symbol when it's more syllables than the element name)

[10] Some organisms within this group of algae have a form of carbonic anhydrase which uses cadmium at the active site. Kieselguhr comprises the crushed bodies of these organisms.

ANSWER: Diatoms

Tiebreaker

In one song, this composer used a dissonant chord consisting of the notes D, E, and F to accompany the word “pains”. A soprano and a bass repeat the line “with innocent revels to welcome the day” in the duet “See Nature Rejoicing”, part of a larger work by this composer. Four trumpets open a march that begins a set of (*) funeral music written by this composer that includes the hymn “Thou knowest, Lord, the secrets of our Hearts”. The works of this student of John Blow were catalogued by Frank Zimmerman. The lead soprano in an opera by this composer requests “Thy hand, Belinda”, before lamenting “remember me, but ah, forget my fate” in the aria “When I am laid in earth”. For 10 points, name this English composer of *Come ye Sons of Art* and *Dido and Aeneas*.

ANSWER: Henry Purcell <BS>