

MKVLTRA: Tamashi Gunkan

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Packet 9: Thing Is Always Good

Tossups

1. **Proposed mechanisms for the racemization of complexes with this geometry are the Ray-Dutt and Baillar twists. p-orbitals correspond to t_{2g} for complexes with this geometry in ligand field theory. Tanabe-Sugano diagrams were developed to explain the adsorption spectra of ions with this geometry. In crystal field theory, the orbitals of complexes with this geometry can be divided into (*) t_{2g} and e_g sets. EDTA forms compounds with this geometry when bound to metal ions. The classic Jahn-Teller effect is most commonly encountered in transition metal complexes with this geometry. Sulphur hexafluoride has, for 10 points, what geometry seen in compounds where a central atom is bound to six ligands?**

ANSWER: **Octahedral**

<DJ>

2. **“Through the wood liddle” and “Hey Tuttle Tatie” were some of the folk tunes incorporated into a four movement work by this composer. This composer substituted a second cello for a double bass in his String Octet in B flat minor, which was published posthumously. It’s not Beethoven, but a violin concerto by this composer opens with a timpani roll, a short passage for woodwinds followed by a passage for the soloist in a movement entitled (*) *Vorspiel*. This composer wrote a piece for cello and orchestra in which the soloist’s melody is based on a chazzan chanting the liturgy. This man’s *Violin Concerto No. 1 in G minor* topped the Classic FM Hall of Fame for its first five years. For 10 points, name this composer of *Kol Nidrei* and a *Scottish Fantasy*.**

ANSWER: Max **Bruch**

<GC>

3. **This number denotes the interrogation room in which the eponymous activist was beaten in Peter Gabriel’s ‘Biko’. The year of this number saw the accession of Pope Boniface V just over a year after the death of Adeodatus I, and is known in Islam as the Year of Sorrows, as it also saw the death of Khadijah, wife of Muhammad. NFL running back Reggie Bush displayed this number on his eyeblack as a tribute to his home (*) area code, which covers cities such as Coronado, National City, and San Diego. A finishing move known by this number is technically described as a tiger feint kick, and was popularised by Rey Mysterio. For 10 points, give this three-digit number, the second year of the 7th Century to read the same upside down.**

ANSWER: **619**

<EL>

4. **This is the first name of the feminist theorist who wrote *Reading in Detail*. Another author with this first name wrote about how treating her spina bifida improved her sex life in a “new biography”, and posited the “iron maiden” in a work which falsely claimed**

that 50% of British women have an eating disorder; that author with this first name was critiqued by Matthew Sweet for (*) misunderstanding the term “death recorded” in a later work. Another author with this first name developed Schumpeter’s concept of creative destruction into the “shock doctrine”, and criticised Nike in the anti-globalist work *No Logo*. For 10 points, give this first name of the authors of *The Beauty Myth* and *This Changes Everything*, whose surnames are Wolf and Klein.

ANSWER: Naomi

<EW>

5. One band from this country released albums like *Roots of Reggae* and *The Angel Who Lost Wings*, and attracted controversy due to their sampling of the track ‘Omatsuri Ninja’. The debut album of another group from this country is titled for that group in *Your Area*, and its chart-topping tracks include ‘As If It’s Your Last’ and ‘Boombayah’. One artist from this country has released eight numbered albums to date, such as *4x2=8* and (*) *Six Rules, Part 1*, and their first album is titled for that artist from *the Psycho World*. One group from this country have a full name translated as ‘Bulletproof Boy Scouts’, but are more commonly known by a three-letter acronym. For 10 points, name this country, the home of Roo’ra, Blackpink, BTS, and Psy, the creator of ‘Gangnam Style’.

ANSWER: South Korea [prompt on partial, prompt on ‘K-Pop’, accept Hanguk or Daehan Minguk, prompt on ‘Roo’ra’, ‘Blackpink’, ‘BTS’, ‘Bangtan Boys’, ‘Bangtan Sonyeondan’, or ‘Psy’ before said]

<EL>

6. In one work, this person described an experiment in which 90% of late students on a campus didn’t stop to help a homeless person. That work divided people’s time perspectives into categories including “past-negative” and “present-fatalistic”. Along with John Boyd, this person wrote *The Time Paradox*. This person left (*) cars unattended in both the Bronx and Palo Alto to test the ‘broken windows’ theory of crime. An experiment run by this person involved David Eshelman abusing other participants while nicknamed “John Wayne”. This person wrote about that experiment in *The Lucifer Effect* and compared it to the abuse of detainees at Abu Ghraib. For 10 points, name this psychologist who organised the Stanford Prison Experiment.

ANSWER: Philip (George) Zimbardo

<AH>

7. At velocities approaching the speed of light, these entities form a namesake “wall”, formed of a “glass condensate” named for one property of these entities. The existence of these entities was first observed by the TASSO collaboration in three-jet events, and interactions between these particles are confined to (*) flux tubes, whose energy increases linearly when stretched past a certain distance. Composite particles composed of these particles are the only particles proposed by the Standard Model to be able to have an intrinsic spin of 3, and are their namesake “balls”. Carrying both colour and anticolour charge, for 10 points, name these gauge bosons of the strong nuclear interaction, named for their role in holding hadrons together.

ANSWER: gluons

<EL>

8. **John Townsend's work with this group brought him into contact with Jerry Abershaw and provided him the notoriety to work with both George III and William IV. Henry Goddard was the only member of this group to write a substantial memoir. This organisation's headquarters were established by Thomas de Veil. Richard Birnie led members of this group, one of whom was stabbed by Arthur Thistlewood in a pub near (*) Cato Street. A head of this group began the issue of the *Quarterly Pursuit* which detailed criminals and was the forerunner to the *Hue and Cry*. This group was headed by a man known as the "Blink Beak". For 10 points, name these forerunners to the Metropolitan Police, established under magistrate Henry Fielding on one of *Monopoly's* orange streets.**

ANSWER: **Bow Street Runners**

<DJ>

9. **For their cameo in *the Adventures of Baron Munchausen*, this entertainer was credited under the name "Ray D. Tutto". This entertainer won the first of their Grammy Awards for Best Comedy Album in 1980, for *Reality... What A Concept*. In an unscripted appearance, this entertainer appears at the beginning of an episode of *Friends* along with (*) Billy Crystal. This entertainer's film debut was in *Can I Do It... 'Til I Need Glasses*, but their first major role was in the movie *Popeye*, three years later. For 10 points, name this entertainer, who won a Best Supporting Actor Academy Award for their role in *Good Will Hunting*, and also played the housekeeper Euphemia Doubtfire in *Mrs. Doubtfire*.**

ANSWER: Robin **Williams** [accept **Ray D. Tutto** before the name is read]

<RJ>

10. **The sixth-century grammarian Vacca is only known for commenting and writing a biography of this author. This author was the first to portray the legendary Thessalian witch Erichtho. A poem about this author was addressed to this author's widow, Polla Argentaria, by Statius. In the introduction of one work, this author lamented the idea of Romans fighting Romans in "wars worse than civil" and dedicated the work to Nero. This author used Stoic motifs to depict (*) Pompey rowing to Egypt alone to meet his assassins, and finished an epic with Caesar fighting for his life. For 10 points, name this Latin epic poet active during Nero's reign, who is best known for a poem *On the Civil War* commonly called the *Pharsalia*.**

ANSWER: **Lucan** [or Marcus Annaeus **Lucanus**]

<AH>

11. **One character in a novel by this author is the blackmailing, dog-beating public school teacher Stella Rhodes, who writes a letter to Ailsa Brimley's Christian magazine after fearing her husband is planning to kill her. A trilogy of novels by this author is named for a character whose daughter Tatiana lives in a Swiss asylum, where she claims her father makes people disappear, yet does not exist. That trilogy by this author ends with the title character returning a lighter engraved with (*) "To Ann", to his arch-rival who orchestrated his downfall, after previously acquiring it from him during an interrogation in Delhi, where he also gained information about his philandering wife. For 10 points, name this British author who created John Smiley, who featured in espionage novels such as *Tinker, Tailor, Soldier, Spy*.**

ANSWER: John **le Carré** [accept David John Moore **Cornwell**]

<JC>

12. **A member of this family started the unsuccessful Operation Big Bird under Michael de Guzman. Members of this family and their relatives owned the Hacienda Luisita in their political stronghold of Tarlac, and a failure to deliver land reform resulted in the Mendiola massacre of protestors complaining about a member of this family inhabiting the Malancañang Palace. A member of this family, who was supported by Cardinal Sin, founded the Lakas ng Bayan Party and was (*) assassinated at an airport which now bears his name. That assassination helped propel the UNIDO coalition to success under a member of this family in the 1986 snap election which presaged the People Power Revolution. For 10 points, what surname was shared by Benigno and his wife, the first female President of the Philippines, Corazon.**

ANSWER: Aquino (accept Cojuangco)

<DJ>

13. **The Wunderland Kalkar in Germany is an amusement park built in one of these structures, painted to resemble a snowy mountain landscape. Another of these structures in Juragua, Cuba is derelict since Fidel Castro refused Vladimir Putin's \$800 million payment to finish it. The film *The China Syndrome* set in one of these places, had its sales boosted by an incident in one of these places. Rose grower(*) Hilda Murrell was killed shortly after demanding the first public inquiry into one of these places in the UK. The Tōhoku earthquake and tsunami led to the abandonment of one of these structures in 2011. For 10 points, which abandoned structures include Fukushima Daiichi and Three Mile Island?**

ANSWER: (abandoned) nuclear power plants [or nuclear reactors or nuclear power stations; prompt on just power plants, reactors or power stations]

14. **One text states that, when this event happens, the person performing it will make money so abundant that nobody will want more, and "kill the pigs". One text describes this event as like "a flash of lightning", and one group believes that this event must be preceded by a "restitution of all things", and that this event will cause all Jewish people to mourn. One group believes that this event began to occur invisibly in 1914, while John (*) Wesley stated that this event would happen in 1836. This event is described at the end of the second stanza of the Nicene Creed, which states that the performer of this event will "judge the living and the dead". For 10 points, name this event common in Christian eschatology, the return to Earth of the Messiah.**

ANSWER: The Second Coming of Christ [accept Second Advent or Parousia, accept clear descriptive answers about Jesus coming back before 'return', prompt on anything about 'the end of the world']

<EL>

15. **Aged 12, this actress won a role in a Radio 4 play after a teacher saw her in a talent show. This actress played a woman whose knowledge of the benefits of oily fish disturbs a policewoman after she escapes from a Bristol cellar after thirteen years; in another role this actress aborts her PE teacher Mr Carrisford's baby and makes a play for Finn Nelson's affections. In addition to the role of Chloe Gemmell in (*) *My Mad Fat Diary*, this**

school-friend of Katarina Johnson-Thompson played Suranne Jones' rival Kate Parks in *Doctor Foster*, and won a BAFTA for her role as an agent for the Twelve who is handled by Konstantin and obsessed with a character played by Sandra Oh. For 10 points, name this Liverpudlian actress who plays the Russian assassin Villanelle in *Killing Eve*.

ANSWER: Jodie Comer

<EW>

16. **After a 1963 earthquake, one architect from this country designed the majority of a Master Plan to rebuild Skopje. The collective SANAA, who designed the Serpentine Pavilion, are based in this country, and one architect from this country used recycled cardboard tubes in their design for Christchurch's Transitional Cathedral. Traditional townhouses in this country are long narrow wooden buildings with little street frontage and combination chimney-skylights, and are called (*) machiya. One religious building in this country's capital takes the shape of a huge black pyramid, and contains a 400 gallon water reservoir for use in emergencies. A different religious building in this country is rebuilt every 20 years; that building is the Ise [EE-say] Shrine. For 10 points, name this country, the home of the winner of the 1987 Pritzker Prize, Kenzō Tange, the designer of the Hiroshima Peace Memorial.**

ANSWER: Japan

<MB>

17. **In one poem, this author describes people arguing "Like lawyers in a murder case" over the title creature's skin. This author of "The Bear Hunt" wrote a poem divided into two cantos, entitled "Reflection" and "The Maniac"; that poem is "My Childhood Home I See Again". A poem written *about* this author compared their death to (*) "the black murk that hides the star" and stated that "I ... yet shall mourn with ever-returning spring". Another poem about this author's death tells the title figure to "rise up and hear the bells" rather than lying "on the deck ... fallen cold and dead". For 10 points, which author is lamented in "When Lilacs Last in the Door-Yard Bloomed", but is better known for prose works like the Gettysburg Address?**

ANSWER: Abraham Lincoln [prompt on "the captain"]

<AH>

18. **Most cases of drug-induced Long QT syndrome are caused by disruption of the human ether-a-go-go related gene channel, which carries this ion. The notch seen in phase one of the cardiac action potential waveform is caused by transiently increased cell membrane permeability to this ion. Tetraethylammonium can be used to experimentally block this ion's channels. Tandem pore leak channels are principally permeable to this ion, as are the delayed and inward (*) rectifier channels. The terms for this ion dominate the GHK equation, explaining why the resting membrane potential is closest to this ion's equilibrium potential. This ion is the dominant intracellular cation. For 10 points, name this cation, two of which are exchanged for three sodium by a namesake ubiquitous ATPase.**

ANSWER: Potassium⁺

<GC>

19. **Myles Burnyeat and A. K. Gavrilov argued that this technique was not "invented" in 1997 articles, positing that it and its supposed rival were "always closely connected".**

Plutarch argues that Alexander behaved like a philosopher in performing this action alongside Hephaestion and using his seal to make Hephaestion perform it similarly. A book by Alberto Manguel perpetuated the belief that this technique was unorthodox because Augustine remarked on (*) Ambrose carrying out this technique in his *Confessions*. A book by Paul Saenger argued that spaces between words were introduced relatively late in conjunction with the spread of this technique. For 10 points, name this technique for interpreting words, which now means that people don't talk in libraries.

ANSWER: **Reading silently** [accept clear equivalents, prompt on reading]

<DJ>

20. One work by this writer concludes that death is “the necessary object of our aim” and that we should not try to avoid this knowledge, and illustrates this with a story about a relative of theirs who was killed with a tennis ball. One work by this writer states that humanity cannot experience anything untainted due to “The imbecility of our condition”, while another progresses from an exploration of the custom of blessing people after sneezing to the death of (*) Atahualpa, via thoughts on the title vehicles. For 10 points, name this sixteenth-century French writer and philosopher, who included such anecdote-laden musings as ‘That to Study Philosophy is to Learn to Die’ and ‘Of Coaches’ in his *Essais*.

ANSWER: Michel Eyquem de **Montaigne**

<EL>

Bonuses

1. Say what you will about 19th-century Russian poetry, but they knew how to be dramatic. For 10 points each:

[10] This nobleman and Slavophile wrote “When all is fired by passion's kiss/And through the downcast lashes/I see the dull flame of desire” in the incredibly horny poem ‘Flame of Desire’.

ANSWER: Fyodor Ivanovich **Tyutchev**

[10] This Romantic ‘Poet of the Caucasus’ included overblown descriptions of the region like “the winding deeps/Of that black, dragon-haunted pass/The Daryal gorge” in ‘Demon’.

ANSWER: Mikhail Yuryevich **Lermontov**

[10] Lermontov hit peak drama with his ‘Death of the Poet’, where he said “your black blood won't wash away/The poet's sacred blood!” in response to the death of this poet of *Eugene Onegin*.

ANSWER: Alexander Sergeyvich **Pushkin**

<EL>

2. This Jewish former amateur boxing champ and railway union leader led the Federal Party, which promoted racial partnership. For 10 points each:

[10] Name this last president of the Rhodesia and Nyasaland Federation, the successor to Sir Godfrey Huggins.

ANSWER: Roy **Welensky**

[10] While serving as Prime Minister, Welensky's control was undermined by Hastings Banda, who became the first president of this country formerly known as Nyasaland.

ANSWER: **Malawi**

[10] After the collapse of the Rhodesia and Nyasaland Federation, Welensky unsuccessfully attempted to stop this leader of the Rhodesian Front from unilaterally declaring independence from the United Kingdom.

ANSWER: Ian **Smith**

<D]>

3. When accepting a Game Award, this man described himself as "gay, black, a furry—pretty much everything a Republican hates". For 10 points each:

[10] Name this winner of Best Esports Player 2018, the winner of four Evolution Championship Series events and the world's highest-paid fighting game player.

ANSWER: **SonicFox** [accept **FOX|SonicFox** or Dominique **McLean**]

[10] SonicFox's first Evo win came at the 2014 event, playing Batgirl in this DC Comics game, set in a universe where Superman takes over the world after accidentally setting off a nuclear bomb.

ANSWER: **Injustice: Gods Among Us**

[10] Two of his wins came in the tenth and eleventh instalments of this fighting game series, with characters such as Sub-Zero, Johnny Cage, and Liu Kang.

ANSWER **Mortal Kombat**

<EL>

4. Children in this group attend Jerusalem School Room, and some members of this group revere Idi Amin as the reincarnation of Marcus Garvey. For 10 points each:

[10] Name this communal religious group, also known as the Ethiopian National Congress, based in Bull Bay, Jamaica.

ANSWER: **Bobo Ashanti** [prompt on partial, prompt on BUT DO NOT OTHERWISE MENTION 'Rastafarian']

[10] Bobo Ashanti are one of the strictest sects, or 'mansions', of this Caribbean religion. Like most adherents of this religion, they see Haile Selassie as the incarnation of God.

ANSWER: **Rastafarianism**

[10] To emphasise the oneness of man and God and the presence of God in all things, many Rastafarians use this complex first-person pronoun in place of 'I' or 'we'

ANSWER: **I and I**

<EL>

5. Some people really do have housemates from hell. For 10 points each:

[10] In the 2019 mockumentary series *What We Do in the Shadows*, Kayvan Novak, Matt Berry and Natasia Demetriou star as Nandor, Laszlo and Nadja, three vampires living in this area.

ANSWER: **Staten Island** [prompt on 'New York']

[10] Another classic supernatural flatshare was this BBC3 drama, which starred Lenora Crichlow, Aidan Turner and Russell Tovey as a ghost, vampire and werewolf making it work in Bristol.

ANSWER: **Being Human**

[10] The BBC sitcom *Ghosts* shows a more reluctant cohabitation, with Alison and Mike living with spirits played by the stars of this CBBC show, based on a book series by Terry Deary.

ANSWER: **Horrible Histories**

<EW>

6. The 4th Earl of Chesterfield opposed the legislative plans of Robert Walpole and drove through influential legislation from the House of Lords. For 10 points each:

[10] In 1733, Chesterfield and his brothers in the Commons effected crisis over this bill introduced by Walpole, which sought to reduce land tax and replace customs duties with inland revenue collection.

ANSWER: **Excise** Bill of 1733

[10] Chesterfield's pamphleteering under the name 'Jeffrey Broadbottom' helped lead to the dismissal of Lord Carteret and the Earl of Wilmington, paving the way for the rule of these brothers under whom he served. *Surname only required.*

ANSWER: **Pelham** [accept **Pelham-Holles**]

[10] Chesterfield's Act of 1750 brought Britain into line with the Continent by making the legal year start on January 1 rather than Lady Day and adopting a calendar identical to this modern civil calendar, named for a 16th century pope.

ANSWER: **Gregorian** Calendar

<DJ>

7. Kurt Vonnegut really liked using recurring characters in his novels - for 10 points each, answer some questions about some of them:

[10] In *Slaughterhouse-Five*, Billy Pilgrim shares a hospital room with this philanthropist, who also appears in *Breakfast of Champions*, *Hocus Pocus* and a novel titled *God Bless You* [this man].

ANSWER: Eliot **Rosewater**

[10] Eliot Rosewater is responsible for introducing Billy to the work of this fishy-named science fiction author who appears in many of Vonnegut's novels as an authorial stand-in.

ANSWER: Kilgore **Trout**

[10] Vonnegut's novel *Bluebeard* is a fictional autobiography of this Armenian artist. This man appears in *Breakfast of Champions* trying to sell his *The Temptation of St Anthony*, which itself pops up again in *Deadeye Dick*.

ANSWER: Rabo **Karabekian**

<EW>

8. While the artist of this painting was working on it, their protégé Samuel Murray sculpted them sitting cross-legged with a palette in front of them. For 10 points each:

[10] Name this work painted in honour of its dedicatee's retirement, in which five men in white coats perform a mastectomy while Mary Clymer and a crowd of young men watch.

ANSWER: *The* **Agnew Clinic** [do not accept *The Gross Clinic*]

[10] *The Agnew Clinic* is a work by this American realist artist and photographer, who also painted *The Gross Clinic* and his friend Max Schmitt rowing in a single scull.

ANSWER: Thomas **Eakins**

[10] Eakins pushed 19th-century boundaries with his lifelike nudes, depicting six men participating in this activity outdoors in an acclaimed work. Seurat painted people doing this activity at Asnieres.

ANSWER: **swimming** [or **bathing**]

<EW>

9. With Raoul Bott, this mathematician names a generalisation of the Lefschetz fixed-point theorem. For 10 points each:

[10] Name this British-Lebanese mathematician, who co-names an “index theorem” with Isadore Singer about elliptic operators on compact manifolds. They served as an honorary professor at the University of Edinburgh from 1997 until their death in January 2019.

ANSWER: Sir Michael (Francis) **Atiyah**

[10] With Friedrich Hirzebruch, Atiyah laid the foundations of topological K-theory to study bundles of these geometrical entities. In linear algebra these objects can be added together or multiplied by matrices or scalars.

ANSWER: **vector**s [accept **vector bundles**]

[10] In September 2018, Atiyah claimed a simple proof of this open problem, named for a German mathematician, which states that all the non-trivial zeros of an eponymous zeta function have real part equal to one half. His proof has generally not been accepted as correct.

ANSWER: **Riemann** hypothesis

<JE>

10. In what has been called the “worst theoretical prediction in the history of physics”, quantum field theory predicts a value for this constant that is 120 orders of magnitude larger than the observed value. For 10 points each:

[10] Name this constant, symbolised by a capital lambda, that gives the energy density of space. It provides dark energy in the lambda-CDM model.

ANSWER: **cosmological** constant

[10] The cosmological constant appears in this eponymous set of ten equations describing general relativity.

ANSWER: the **Einstein field equations** [or **Einstein's equations**. Prompt on **EFE**]

[10] The maximally symmetric vacuum solution to the Einstein field equations for a *positive* cosmological constant is this type of space, the Lorentzian analogue of a sphere.

ANSWER: **de Sitter** space [accept **de Sitter universe**; do not accept anything involving ‘anti-de Sitter’, which has a negative Lambda]

<MB>

11. If you believe you’ll get these bonuses right, maybe it will happen. For 10 points each, answer the following on justified true belief:

[10] The question of justified true belief and whether it constitutes knowledge is analysed in this branch of philosophy, the theory of knowledge.

ANSWER: **epistemology**

[10] Edmund Gettier famously refuted the idea that JTB is knowledge, using the example of Smith who thinks that Jones will get the job since he fulfils this *specific* condition.

ANSWER: he has **ten coins** in his **pocket** [prompt for number of coins]

[10] However, this philosopher fired back at the “Gettier Problem” in *Philosophical Explanations*, proposing a “truth-tracking” theory of knowledge that makes use of counterfactuals.

ANSWER: Robert **Nozick**

<EW>

12. The protagonist of this novel is compared to Emperor Akihito, since both men were born on the same day and have sons with the same birthday as well. For 10 points each:

[10] Name this novel in which Kazuo Ishiguro leaves Fukushima to build the 1964 Olympic stadium, but ends up homeless. His ghost haunts a nearby park after his death at the title location.

ANSWER: **Tokyo Ueno Station** [or **JR Ueno-eki kouen kuchi**, by Miri Yu]

[10] This author created Tokyo train station engineer Tsukuru Tazaki in a 2013 novel. He wrote about the Tokyo Metro sarin attacks in *Underground*, and Toru's journeys in *Norwegian Wood*.

ANSWER: **Haruki Murakami**

[10] In this Ryu Murakami novel, Hashi and Kiku are abandoned in a Tokyo train station and end up living in Toxiotown. Hashi becomes a rock star, while Kiku becomes a murderous pole vaulter.

ANSWER: **Coin Locker Babies**

<EW>

13. This deity's name was later used as a name for all four creator gods, in which system this deity was known as the 'Black' god of this name. For 10 points each:

[10] Accompanied by the White, Blue, and Red gods of this name, name this Aztec creator god who fed his foot to the monster Cipactli to form the land, and whose name translates as 'smoking mirror'.

ANSWER: **Tezcatlipoca** [prompt on Titlacauan, Ipalnemoani, Necoc Yaotl, Tloque Nahuaque, Yohualli Ehecatl, Ome Acatl or Ilhuicahua Tlalticpaque]

[10] Tezcatlipoca led to one of the several ends of the world in Aztec mythology by kidnapping Xochiquetzal (show-chi-KET-sal), the wife of this god, the lord of the Third Sun.

ANSWER: **Tlaloc**

[10] The 'White Tezcatlipoca' was this Aztec deity and culture hero, the chief rival of Tezcatlipoca, whose animal counterpart was the feathered serpent.

ANSWER: **Quetzalcoatl**

<EL>

14. For 10 points, answer some questions on what one awards committee called "a virtuosic song collection unified by its vernacular authenticity and rhythmic dynamism".

[10] Kendrick Lamar's *DAMN.* was the first non-jazz, non-classical work to win this annual prize also given for accomplishments in history, poetry, and criticism.

ANSWER: **Pulitzer** Prize for Music

[10] Despite earning K-dot a record 11 Grammy nominations, 2015's *To Pimp a Butterfly* lost out on Album of the Year to this pop album, which featured Kendrick on the track 'Bad Blood'.

ANSWER: **1989** (by Taylor Swift)

[10] This 2011 album was Kendrick's debut. According to him, the number in its name refers to people "who are ten times poorer" than those living in federal housing.

ANSWER: **Section.80** (In America, Section 8 of the Housing Act of 1937 deals with federal housing and is a byname for those in poverty conditions)

<BB>

15. The Bonneville Salt Flats in this US state are known for motor racing. For 10 points each:

[10] Name this US state, which contains many beautiful salt flats around its Great Salt Lake.

ANSWER: **Utah**

[10] Large salt crystal formations characterise the Devil's Golf Course, located in this desert. The Salton Sea lies to the south of this desert, which is separated from the Los Angeles basin by the San Gabriel mountains.

ANSWER: **Mojave** desert

[10] This largest salt flat in the world is located in Bolivia's Daniel Campos province. This salt flat contains 50 to 70% of the world's known lithium reserves.

ANSWER: **Salar de Uyuni**

<AH>

16. You've heard of grad-level econometrics, but what about Grau's naval economics. For 10 points each:

[10] Peru's entry into the Pacific War was sometimes known as the Ten Cents War, because a major *casus belli* was a tax imposed by this nation on Chilean mining operations. This nation became landlocked following the War of the Pacific.

ANSWER: **Bolivia**

[10] During the war, Admiral Grau used his flagship *Huascar* to relieve the crippling Chilean blockade of this city. His Chilean counterpart Arturo Prat died onboard the *Huascar* at the end of a decisive Peruvian victory outside this city.

ANSWER: **Iquique**

[10] This weapon was first used by the British HMS *Shah* against the *Huascar* at the Battle of Pacocha, without success. This weapon was improved by Louis Brennan.

ANSWER: **torpedo**

<DJ>

17. The namesakes of this equation created a model which is a linearized version of the Poisson-Boltzmann model, and accounts for departures from ideality in electrolyte solutions. For 10 points each:

[10] Name this equation, used to calculate activity coefficients and named for a German and a Dutch scientist.

ANSWER: **Debye-Hückel** Equation

[10] The Debye-Hückel equation was extended to incorporate Brownian motion by this scientist, who names a set of statements which show that the coefficients of the Peltier and Seebeck effects are equal to one another.

ANSWER: Lars **Onsager**

[10] The Debye-Hückel equation is also of use when looking at the depression in this point of solutions of solvents and non-volatile solutes. Roads are covered with salt to help lower this temperature.

ANSWER: **freezing** point

<DJ>

18. In one scene in this play, Mabel Chiltern complains to Lady Gertrude that Tommy has proposed to her three times, but never in a way that attracts enough attention. For 10 points each:

[10] Name this play in which Robert Chiltern is blackmailed by Mrs Cheveley for his dodgy dealings regarding a South American canal scheme, threatening his honour in his wife's eyes.

ANSWER: **An Ideal Husband**

[10] *An Ideal Husband* is a work by this Irish-born playwright of *A Woman of No Importance*, *Lady Windermere's Fan* and *The Importance of Being Earnest*.

ANSWER: Oscar Fingal O'Flahertie **Wilde**

[10] In the end, Lord Goring saves the day by burning an incriminating letter while Mrs Cheveley is handcuffed with this accessory, which he gave to her during their former engagement.

ANSWER: diamond **brooch**

<EW>

19. The first of these establishments was opened in 1930s Hollywood by Ernest Gantt, who was so committed to the bit that he changed his name to Donn Beach. For 10 points each:

[10] Name these places themed on the South Pacific, which serve fruity beverages and often feature leis, Hawaiian shirts, rattan furniture, hula girls and Polynesian carvings.

ANSWER: **tiki** bars

[10] Gantt's Don the Beachcomber and Victor Bergeron's Trader Vic's both claimed to have invented this cocktail of rum, orange Curacao, orgeat syrup and lime juice.

ANSWER: **Mai Tai**

[10] Other tiki cocktails are adaptations, like this mix of gin, brandy, lime juice, bitters and ginger beer based on one created at Sheppard's Hotel in WWII. It is served in a mug shaped like a man with a hangover.

ANSWER: **Suffering Bastard**

<EW>

20. This musician's habit of provoking bar fights backfired when he succumbed to his injuries following a fight with a bouncer after being ejected from a Carlos Santana concert. For 10 points each:

[10] Name this musician, who released the album *Word of Mouth* and who gave his fretless instrument the epithet "of doom".

ANSWER: (John Francis Anthony) "Jaco" **Pastorius III**

[10] Pastorius replaced Alphonso Johnson in this band which recorded the jazz standard "Birdland". Joe Zawinul was a constant presence on keyboards throughout this band's changing lineup.

ANSWER: **Weather Report**

[10] The other member of Weather Report to be present from inception to disbanding was Wayne Shorter, who plays this instrument. This instrument was also played by John Coltrane.

ANSWER: **Saxophone**

<GC>

Tiebreaker

The first person to hold this political position held it for seven months, before being replaced by Denis Healey in October 1964. Both British Secretaries General of NATO have also held this political position - the first between 1970 and 1974, the second from 1997 to 1999. A former holder of this political position resigned in October 2011, after allegations that he had allowed his friend (*), Adam Werrity, inappropriate access to a governmental department. A recent holder of this political position was sacked following a leak

of information from a National Security Council meeting. For 10 points, which political position in the British government has been held in recent years by Philip Hammond and Sir Michael Fallon, and is currently occupied by Ben Wallace?

ANSWER: **Secretary** of State for **Defense** [do not accept "Minister for Defense" - the clue is specifically about the post-1964 position and the first line does not match it.]

<RJ>