

MKULTR4: Very Vague And Not Well-Funded

Written and Edited by Emma Laslett, Ewan MacAulay, Joey Goldman, Ben Salter, and Oli Clarke

Packet by Good Guys Finish Second

Tossups

1. **The deficiency of the final enzyme in this pathway can lead to congenital non-spherocytic haemolytic anaemia. Instead of this pathway, *Agrobacterium* and *Azotobacter* use the Entner-Doudoroff pathway. A regulator of this process is allosterically inhibited by a high ratio of ATP to AMP, and that enzyme is PFK-1. The interconversion of D-HAP and (*) Glyceraldehyde 3-phosphate in this pathway is catalysed by TPI, a catalytically perfect enzyme. The first step of this pathway is the formation of G6P in a reaction catalysed by hexokinase. Accompanied by the net release of two molecules of ATP, Glucose is broken down to form pyruvate in, for 10 points, which first step of cellular respiration?**
ANSWER: Glycolysis <CS>

2. **A 2009 book by Christopher Fairman argued that attempts to ban this action represented an illegal encroachment on freedom of thought. Following local legislation in 2016, Salford Quays may be the only place in the UK where this action is explicitly banned. Steven Pinker divided the motives for this action into five types, including the 'idiomatic', 'emphatic' and (*) 'abusive' types. A 2009 experiment at Keele University showed that this action allowed people to keep their hands in ice water for twice as long, since it reduces physical pain. Social taboos against this action led to the creation of 'minced oaths'. For 10 points, name this action one undertakes when saying four-letter words like 'fuck' or 'shit'.**
ANSWER: Swearing / profanity

3. **In a series set in this location, one character remarks to another that "you wouldn't find Hitler playing jungle music at 3am in the morning". In this location, one character loses sensation in one leg after retrieving his stolen whistle, though he cannot remember which leg it was. One character moved to this location following the unexplained (*) 'Blackrock incident'. In this location, placards reading "Down with this sort of thing" are used to protest the screening of *The Passion of St Tibulus*. After visibly doing a Chinaman impression in a window, one character in this location is asked "Are you a racist now?" The series set in this location features Jack Hackett and Dougal McGuire, who live in this island's parochial house. For ten points, name this barren Irish island, the home of Father Ted.**
ANSWER: Craggy Island <GGFS>

4. **It's not Minardi, but a man who briefly drove for this team in 2006 is now the co-owner of a sex-toy manufacturer and is named Robert Doornbos. One driver for this team celebrated a podium at the 2006 Monaco Grand Prix wearing a red cape to promote *Superman Returns*. In 2010, one driver for this team badly sang "I'm a Canberra Milk kid" in a TV advert, before exclaiming "not bad for a number 2 driver" upon winning the British Grand Prix. A driver currently driving for this team claimed to be (*) "tripping balls" upon finishing second in his home race in 2014, and is best known for forcing other driver to drink champagne from his shoe after winning a race. David Coulthard, Mark Webber, Sebastian Vettel and Daniel Ricciardo all drove for, for 10 points, what Austrian Formula 1 team based in Milton Keynes and named after an energy drink?**
ANSWER: Red Bull Racing <Good Guys>

5. **A grand choral in a work by this composer is a parody of *Ein Feste Burg*, and that work also sees a princess dance a Tango, a Waltz and a Ragtime immediately after being woken up by a violinist. A solo trumpet and a snare drum accompany the Ballerina's dance in a work by this composer, in which the title character is represented by a chord consisting of (*) two major triads a tritone apart.**

In addition to *L'histoire du soldat*, this composer wrote a ballet whose final chord consists of the notes D-E-A-D. That work by this composer opens with a very high bassoon solo and concludes with "The Exalted Sacrifice". For 10 points, name this composer of *Petrushka*, and the riot provoking *Rite of Spring*.

ANSWER: Igor **Stravinsky** <Good Guys>

6. **This man formed a "socialist" party with a group of "beer-swilling bourgeois", which soon led the opposition to a coalition led by David Marshall. This man rejected William Safire's attempt to call him a dictator by saying "Do I need to be a dictator when I can win hands down?" This man's government created the Social Development Unit, a state-backed matchmaking agency designed to reverse the effects of his overly-successful (*) "Stop at Two" population control policy. This man's government established strict control of the media through the *Straits Times*. For 10 points, name this leader of the People's Action Party who served for 31 years as the Prime Minister of Singapore.**

ANSWER: **Lee** Kuan Yew

7. **One song whose title ends with this word features a badly out-of-tune guitar solo and was described by John Lennon as his least favourite Beatles song. One song whose title ends with this word opens with a Stax Records-inspired horn fanfare, and was described as an 'ode to pot'. A song whose title ends with this word appears before 'Wait' on *Rubber Soul*, and includes a double-speed Baroque-sounding piano solo. One song whose title ends with this word ends with a (*) dog-whistle and studio chatter after a forty-second E-major chord; that song describes "4,000 holes in Blackburn, Lancashire", and is the final track on *Sgt. Pepper's Lonely Hearts Club Band*. For ten points, give this word that completes the Beatles song titles 'Got to Get You Into My' and 'A Day in The'.**

ANSWER: **Life** <GGFS>

8. **Before walking the 'Holy Mile', pilgrims in this county traditionally left their shoes in the so-called Slipper Chapel. Ernest Jehan sank a U-boat off this county's coast using a sailing boat in 1915, the same year this county became the first to suffer aerial bombardment in World War One. In a 1599 publicity stunt, the actor Will Kemp morris-danced from London to this county in his 'Nine Days' Wonder'. A disgruntled farmer in this county led a revolt against enclosure in 1549 known as (*) Kett's Rebellion. In 1999, Fred Barras was shot in this county, allegedly in self-defence, by farmer Tony Martin.. One company founded in this county was finally folded into Aviva in 2008. For ten points, name this county, whose historic ports include King's Lynn and Great Yarmouth.**

ANSWER: **Norfolk**

9. **A player of this instrument was imprisoned in Lisbon in 1971 after dedicating his 'Song for Che' to anti-colonialist revolutionaries while performing with the Ornette Coleman Quartet. Though not a piano, this was the predominant instrument both of Charlie Haden and of a bandleader who used it on a track titled 'Group Dancers'. This instrument introduces the 'F A F B' theme on the first track of *A Love Supreme*. This instrument was played by the composer of the album (*) *The Black Saint and the Sinner Lady*, who included 'Goodbye Pork Pie Hat' on an album titled [*His Name*] *Ah Um*. In jazz, this instrument often plays a namesake 'walking' beat. For ten points, name this primary instrument of Charles Mingus, which comes in an 'upright' form and is the lowest string instrument.**

ANSWER: Double/upright **bass** <JK>

10. **One book about these places dates their modern form to a day around 1840, when a dying child in one of these places first said 'what a pity I left so soon'. One of these places in Mettray is heavily discussed in a book that describes how one type of these places creates 'docile bodies' through an 'unequal gaze'. One philosopher asked "Is it (*) surprising that [these places] resemble factories, schools, barracks, hospitals?" in a 1975 book subtitled for 'the birth of' these institutions, which also discussed Jeremy Bentham's model of the panopticon. For ten points, Michel Foucault's *Discipline and Punish* focuses on what institutions, of which French examples included the Bastille?**

ANSWER: Prisons or equivalent

11. **A weapon named for this deity is cursed to kill a man every time it's drawn, perform three great evils, and kill the King of Gardariki, Svafhlami. One instruction for rune magic in the *Sigrdrífumál* involves naming this deity twice and carving 'victory runes' on a sword's hilt. After breaking a magic chalice on the head of this deity's father, Thor obtains a mile wide cauldron for ale brewing from this deity's father, (*) Hymir. The saga of Hervor and Heidrek is tied together by a sword named for this deity that was forged by the dwarves Dvalinn and Durin. The cave of Gnipahellir is where this person's destined slayer, Garm, lives. After the success of Gleipnir, Fenrir bites off one of this deity's hands. For 10 points, name this Norse god of law and justice, the namesake of Tuesday.**

ANSWER: Tyr [accept Tyrfing in the first sentence] <Good Guys/EL>

12. **In one subdiscipline of this area of mathematics, one mathematician said of a conjecture "I am ready to cut my head off if this does not work", to which Castelnuovo replied "I don't think that would prove it either". One book in this field, titled for an earlier mathematician 'freed of every flaw', was rediscovered by Eugenio Beltrami, who with Klein names a model used in this field. Moore and Moore independently proved that one of David (*) Hilbert's 21 axioms for this field was redundant. Ceva's [CHEV-AH's] theorem and Cavalieri's principle are both results in this branch of mathematics, in which mathematicians had earlier failed to prove a fifth postulate about parallel lines. For 10 points, name this study of shape and space, studied by Euclid.**

ANSWER: Geometry [accept anything mentioning geometry, esp. Algebraic, (non-)Euclidean, hyperbolic] <GGFS>

13. **This artist was popularised by Wilhelm Uhde, who organised an exhibition of this artist and his 'sacred heart' followers. After finding one of their paintings on sale in the street for reuse as a canvas, Picasso organised a 1908 'banquet' for this artist. This artist claimed to have "no teacher other than nature" and depicted his naked mistress (*) Jadwiga beside a black figure who stares at the viewer playing a reed instrument in his last major work. This artist of *The Dream* was nicknamed Le Douanier. This artist painted a sleeping mandolin player on a moonlit night, who has just been noticed by a lion. For 10 points, name this French Primitivist painter of *The Sleeping Gypsy*.**

ANSWER: Henri Rousseau

14. **At the end of a novel from this country, Hermogenes and Diadorim both die in a chaotic sword fight. A novel from this country consists mainly of a monologue by a woman who has an existential crisis after killing a cockroach. Novels from this country include *The Passion According to G.H.* and *The Devil to Pay in the Backlands*. Melchizedek encourages the protagonist of another novel from this country to sell his sheep so he can follow his premonition of treasure in the (*) Egyptian pyramids. 20th-century authors from this home country of Clarice Lispector were often inspired by a countryman of theirs who wrote about Bento being betrayed by his wife Capitu in *Dom Casmurro*. For 10 points, name this home country of Machado de Assis and Paulo Coelho**

ANSWER: Brazil

15. **An island inhabited by these people is linked to the mainland by a narrow gauge railway for which every household on the island has its own wagon. The pomebled is a stylised image of a water lily leaf which appears on these people's flag. A traditional sport of these people involves using a long pole to jump as far as possible over a body of water, and is either called Polsstokspringen or (*) Fierljeppen. People of this ethnicity are the native inhabitants of an island which was blown in half by British explosives in 1947. The language of these natives of Heligoland is the one most closely related to English. For 10 points, name these inhabitants of a series of islands just off the coast of the Netherlands and Germany.**

ANSWER: Frisians (prompt on Germans or Dutch or Heligoland)

16. In fluid dynamics, the Euler-Tricomi equation relates two second partial derivatives of this quantity. The line integral of this quantity around a curve is related to the area integral of another quantity by the Kelvin circulation theorem. The curl of this quantity gives a fluid's vorticity, while the divergence of this quantity is zero for an incompressible fluid. According to (*) Stokes' law, the drag force on an object is 6π times viscosity times radius times this quantity. One can determine the path of a particle by setting this quantity equal to the rate of change of its position. For ten points, name this quantity measuring how fast a fluid moves, measured in metres per second.

ANSWER: Velocity (begrudgingly accept speed) <JK>

17. Helene Foley's 1983 paper "The Female Intruder Reconsidered" discussed this author's portrayal of women in publicly aggressive roles. In one work by this author, new laws are introduced allowing men to sleep with pretty women only if they sleep with ugly women first. One work by this author centres on a fretful writer who fears that 'the women / are going to kill me for insulting them'. In one work by this author, Myrrhine swears an (*) oath over a wine bowl, with words repeated by Calonice. This author of *The Assemblywomen* and *Thesmophoriazusa*e wrote a play in which the women of Athens withhold sex in order to end the Peloponnesian War. For 10 points, name this Greek playwright of *Lysistrata*, who also wrote *The Clouds*.

ANSWER: Aristophanes

18. Only twelve original copies remain of this author's first collection, *Tamerlane and Other Poems*. One story by this author closes by noting that the title figure held "illimitable dominion over all", after they are pursued into a black-themed room at a party in the castle of Prince Prospero. Another story by this author opens with the protagonist protesting that he merely has "over-acuteness of the senses", not insanity, before he smothers a man with an "evil eye" and the title object ends up (*) beating loudly under the floorboards. One of this author's title characters sits on a bust of Pallas and torments another about his "lost Lenore". For ten points, name this author of "The Masque of the Red Death", "The Tell-Tale Heart", and "The Raven".

ANSWER: Edgar Allan Poe

19. In 1861, this country's government sent Abraham Lincoln a letter in 'imperfect but clear' English proposing an alliance and extending honorary citizenship. Napoleon once gifted this country four cannons, although for mysterious reasons, these cannons never reached this country. This country was elected a Communist-Socialist coalition from 1945, the only country in Western Europe to democratically elect a Communist government. A 1957 constitutional crisis in this country was triggered when the majority parliamentary coalition submitted resignation letters before electing an executive body, leading the opposition to declare a provisional government in (*) Rovereta. For 10 points, name this European microstate that remained independent upon the unification of Italy.

ANSWER: San Marino

20. After the death of Thingol, one of these items was taken from the dwarves at Sarn Athrad and kept on Tol Galen. They're not hands, but after consuming one of these objects, Carcharoth became mad and fought to the death with Huan. Maedhros [made-ross] commits suicide by jumping into a fiery chasm with one of these objects. The island on which Numenor was founded is named for the role of one of these objects as a (*) guiding light. These things were known as "the most renowned of all the works of the Elves", and in order to win the hand of Luthien, Beren retrieved one of these jewels from Morgoth's Iron Crown. Forged by Feanor and containing the light of the two trees of Valinor, for 10 points, name these jewels which title a work by J. R. R. Tolkien.

ANSWER: Silmarils [prompt on 'jewels' before said, prompt on 'Necklace' or 'Nauglamir' before "Numenor"; prompt on 'Star' before "Maedhros", accept Silmarillion after the question ends] <EL/GGFS>

Bonuses

1. Answer some questions about musical artists mentioned in a seminal 1992 album. For 10 points each:
[10] *Gordon*, by Barenaked Ladies, features a song written from the perspective of a member of this band, who “didn’t ask to be famous”. The final chorus quotes songs by this band, such as “(You’ve Got It) The Right Stuff”.

ANSWER: **New Kids on the Block** (accept “**New Kid (on the Block)**”, as that is the name of the song)

[10] “Grade 9” is probably the song with the most pop culture references, name-checking Duran Duran, *The Wrath of Khan*, Rush, and “Stairway to Heaven”, a song by this legendary British rock band.

ANSWER: Led **Zeppelin**

[10] This song was BNL’s debut single and includes the lyrics “I don’t like all these people slagging her for breaking up the Beatles”. The eponymous artist stated that she enjoyed this song, but preferred “If I Had \$1000000” (“a million dollars”).

ANSWER: **Be My Yoko Ono** (prompt on “Yoko Ono”) <EL/GGFS>

2. A 1998 analysis of the redshift of supernovae suggested that this quantity has a small, positive, non-zero value. For ten points each:

[10] Name this quantity, equal to the energy density of the vacuum. The physicist who introduced it described it as the ‘biggest blunder of his career’.

ANSWER: **Cosmological constant**

[10] This physicist first added the cosmological constant to his namesake field equations when developing general relativity, about a decade after he introduced the equation $E=mc^2$.

ANSWER: Albert **Einstein**

[10] Birkhoff’s theorem states that any spherically symmetric solution to the Einstein field equations in a vacuum must both be static and have this other property asymptotically.

ANSWER: Asymptotically **flat** or asymptotically **zero curvature** <JK>

3. A drug induced variant of this disease may be caused by chronic use of hydralazine or procainamide, and this disease affects women at a significantly higher rate than men. For 10 points each:

[10] Name this chronic autoimmune disease often accompanied by a namesake nephritis, whose patients often display a “butterfly rash” on their face.

ANSWER: Systemic **Lupus** Erythematosus [accept **SLE**]

[10] Some drugs currently in clinical trials for SLE operate by inhibiting this part of the innate immune system, which forms the membrane attack complex after cleavage of C5 triggers a polymerisation cascade.

ANSWER: **Complement** system

[10] Current treatment of SLE relies on a combination of immunosuppressants, NSAIDs, and this class of hormone, produced in the adrenal gland, whose members include cortisol and aldosterone.

ANSWER: Cortico**steroids** [accept **Corticoids** or **Glucocorticoids**]

4. Two significant texts for this movement were *The Revolution of Everyday Life* by Raoul Vaneigem and *The Society of the Spectacle* by Guy Debord. For ten points each:

[10] Name this social revolutionary group who actively critiqued mid-20th century advanced capitalism. Its pamphlets like *On the Poverty of Student Life* were a major influence on the May ‘68 protests.

ANSWER: **Situationist** International (accept **SI**)

[10] At the height of the May '68 protests, this French president secretly left France for a few hours. This wartime leader of Free France names Paris' largest airport.

ANSWER: Charles de **Gaulle**

[10] A young Jacques Chirac, then Secretary of State for Local Affairs, helped to negotiate these agreements during May 1968. Although they led to a 35% increase in the minimum wage, they failed to end the protests.

ANSWER: **Grenelle** Agreements or **Grenelle** Reports

5. Answer some questions about tyres. For 10 points each:

[10] While downforce allows a tyre to generate more force, in theory, the straight-line acceleration of a car is limited by gravitational acceleration multiplied by this dimensionless quantity, symbolised mu.

ANSWER: **friction coefficient**

[10] Another method of improving cornering is by tilting tyres inwards, so that the outside load-bearing tyre is upright in the corner. That inward tilt is referred to by this term, which also describes the asymmetry of a wing.

ANSWER: **camber**

[10] In a linear tyre model, the cornering force is obtained by multiplying a tyre's cornering stiffness by this quantity, the difference between a tyre's turning angle and its actual heading. In practice, cornering performance deteriorates at values of this quantity above 10 degrees.

ANSWER: **slip** angle <TDB>

6. Ad valorem import tariffs will have the same effect as export taxes according to this man's symmetry theorem. For ten points each:

[10] Name this Russian-born British economist. With Alfred Marshall, he names a condition describing when import and export elasticities of demand will allow exchange rate devaluation to improve balance of payments.

ANSWER: Abba **Lerner**

[10] Another basic concept in international trade theory is this one introduced by David Ricardo, which implies that two countries can benefit from trade even if one has an absolute advantage in all sectors, taking into account opportunity cost.

ANSWER: **Comparative** advantage

[10] Ricardo heavily opposed this trade ideology, in which a nation typically sets high import tariffs in an effort to protect domestic industry.

ANSWER: **Protectionism** / **mercantilism**

7. One work by this artist was for a long time thought to be a self-portrait, before a rediscovered label showed that it in fact depicted Francesco delle Opere. For 10 points each:

[10] Name this Renaissance painter. Another of his works illustrates the principles of ideal city planning in the background, while the foreground features the title action, *The Delivery of the Keys*.

ANSWER: **Perugino** (accept Pietro **Vannucci**)

[10] *The Delivery of the Keys* is housed in this building, where Michelangelo painted *The Last Judgment*, as well as a famous depiction of *The Creation of Adam* on this building's ceiling.

ANSWER: **Sistine Chapel**

[10] An uncharacteristically stark Perugino painting of this scene, taking place below a portico, hangs in the Uffizi. Michelangelo's sculpture of this religious scene in St Peter's Basilica is the only work he signed.

ANSWER: **Pietà**

8. This author was accused of Jewish 'self-hatred', but frequently drew upon his own life and identity in his novels. For ten points each:

[10] Name this author of *American Pastoral* and *The Human Stain*.

ANSWER: Philip **Roth**

[10] Drawing on his childhood in Newark in the 1940s, which counterfactual novel describes the impact on Roth's family of the election of Charles Lindbergh in 1940?

ANSWER: **The Plot Against America**

[10] In *The Plot Against America*, the most powerful critic of Lindbergh's is this New York gossip columnist and radio presenter whose assassination in Louisville sparks race riots across the Midwest.

ANSWER: Walter **Winchell**

9. On this song, the whispered words of the band's secretary Kathy Redfern can be heard saying, "Be quiet, big boys don't cry", which later inspired the song by The Cure. For ten points each:

[10] Name this 1975 song, whose backing track consists almost entirely of the band's multitracked looped vocals. It describes how "I keep your picture / Upon the wall / It hides a nasty stain that's lying there".

ANSWER: **I'm Not In Love**

[10] *I'm Not In Love* was a hit for this British band, who also had hits with *Dreadlock Holiday* and *Rubber Bullets*. Though not The Lovin' Spoonful, their name refers to the average volume of ejaculation.

ANSWER: **10cc**

[10] The protagonist of *Dreadlock Holiday* protests "I don't like [this sport] – I love it!" The song *Soul Limbo* is associated with this sport's broadcast on *Test Match Special*.

ANSWER: **Cricket** <GGFS>

10. In relation to this entity, which was first introduced to philosophy by Joseph Jastrow, E.H. Gombrich asserted that "ambiguity is clearly the key to the whole problem of image reading." For 10 points each:

[10] Name this entity, which in a posthumously-published 1953 work is used to distinguish between the 'continuous seeing' of an aspect and the 'dawning' of an aspect.

ANSWER: **Duck-rabbit**

[10] The duck-rabbit was famously used by this philosopher in the work *Philosophical Investigations*. When he wasn't busy hitting children or working as a hospital porter, he also wrote the *Tractatus Logico-Philosophicus*.

ANSWER: Ludwig **Wittgenstein**

[10] In the *Philosophical Investigations* Wittgenstein introduced this notion of similarity. Groups of things that share this relation seem like they should be connected by one common trait, but instead they are connected by a series of overlapping commonalities.

ANSWER: **family resemblance**

11. Alongside the 16 Teachings and a five-part "Code", these texts make up the main teachings of their religion. For 10 points each:

[10] Identify these religious texts, two of which state "Courage: To have the will" and "Training: To know one's ignorance."

ANSWER: The 21 **Maxims** [accept, but do NOT otherwise reveal "**Jedi Maxims**"]

[10] The 21 Maxims are texts from this fourth largest religion in the UK according to the 2001 census, whose practitioners say "May the Force be with you".

ANSWER: **Jediism**

[10] The Jedi form of this text opens "I am a Jedi, an instrument of peace". One of these texts in the Book of Common Prayer ends "I look for the resurrection of the dead, and the life of the world to come. Amen."

ANSWER: **Creed** [accept **Jedi Creed** or **Nicene Creed** but do not accept other specific creeds] <GGFS>

12. As a party trick, a performer of this instrument allegedly played a version of Fred Godfrey's *Lucy Long* in which they downed a pint of ale between each variation. For 10 points each:

[10] Name this instrument played by Archie Camden. Camden wrote a popular short text on the technique of this instrument, and he was the soloist on the first recording of Mozart's B-flat major concerto for it.

ANSWER: **Bassoon**

[10] This Austrian composer was probably inspired by Mozart's bassoon concerto to write his own *Bassoon Concerto in F major*. His *Trumpet Concerto in E major* is often transposed down a semitone for ease of fingering.

ANSWER: Johann Nepomuk **Hummel**

[10] The second most performed bassoon concerto was written by this composer, who also wrote an *Andante e Rondo Ungarese* for solo bassoon and piano. He is perhaps better known for his piano work *Invitation to the Dance*, and the opera *Der Freischütz*.

ANSWER: Carl Maria von **Weber** <Good Guys/BS>

13. If you're spending lonely days in the lab, don't fear – many areas of science can give you the succ. For ten points each:

[10] The sucC RNA motif, found in members of the genus *Pseudomonas*, participates in a cycle named for this acid. This acid can be found in fruits such as oranges and lemons.

ANSWER: **Citric** acid

[10] The state-universal coupled cluster method, can be used to account for electron correlation, and hence build on this doubly-eponymous computational method of finding the wavefunction of a many-electron system based on a self-consistent field.

ANSWER: **Hartree-Fock** method

[10] 'Succ' can refer to the successor function key to this man's axiomatic formulation of arithmetic. He also names a result which places an upper bound on the error of a linear functional estimator, in terms of the maximum modulus of its (n+1)th derivative.

ANSWER: Giuseppe **Peano** <JK>

14. A building designed by Inigo Jones for Queen Anne of Denmark in this borough is often thought of as the first Palladian building in the UK. For 10 points each:

[10] Name this London borough, where Henry VIII, Mary I, and Elizabeth I were born in the Tudor Palace of Placentia, which was demolished after the civil war for buildings used as part of a Royal Hospital for Seamen.

ANSWER: Royal Borough of **Greenwich**

[10] The early Palace of Placentia in Greenwich was built for this man under the name Bella Court. This duke also names the oldest reading room in the Bodleian library and had a dubious marriage to Jacqueline of Hainault.

ANSWER: **Humphrey** of Lancaster, **Duke of Gloucester** [accept either underlined portion]

[10] For his service in the Agincourt campaign, Humphrey was appointed warden of this group of towns in Kent and Sussex that provided naval forces for Anglo-Saxon and early medieval monarchs in return for tax privileges.

ANSWER: **Cinque Ports** [if someone lists **Hastings, New Romney, Hythe, Dover and Sandwich** in any order then you should probably also give them the points even though they're being silly]

15. Some 'counties' don't last very long – and, largely, good riddance. For ten points each:

[10] These two counties were administratively merged by the dreadful 1972 Local Government Act, though they separated again in 1998. The government rejected the merged name of 'Malvernshire', opting for something more prosaic.

ANSWER: **Herefordshire** and **Worcestershire**

[10] The same act also merged parts of the West and East Ridings of Yorkshire with northern Lincolnshire, forming a ceremonial county, which lasted until 1996, named for the 'side' of this river, which flows past Hull into the North Sea.

ANSWER: **Humber**side

[10] Short-lived counties aren't just a modern phenomenon. This Anglo-Saxon county also only lasted about twenty years until being merged into Gloucestershire in 1017; it is named for a town some miles east of Tewkesbury, near the remains of Hailes Abbey.

ANSWER: Winchcombeshire <JK>

16. This civilisation names a type of projectile point produced using 'bifacial percussion flaking', or in other words hitting it lightly on both sides. For ten points each:

[10] Name this prehistoric civilisation, named for an archaeological site in New Mexico. It reached its prime around eleven millennia ago.

ANSWER: Clovis culture

[10] The Clovis civilisation may have used their namesake projectiles to help bring these proboscideans to extinction. These relatives of the elephant had a 'woolly' variety.

ANSWER: Mammoths

[10] Studies on this only confirmed Clovis burial site support the hypothesis that the Americas were colonised through the use of a non-extant land bridge over the Bering Strait.

ANSWER: Anzick-1

17. The most interesting property of this compound derives from the many hydrophilic groups attached to its hydrocarbon nucleus, including at least 14 hydroxyl groups and one sulfonic acid group. For 10 points each:

[10] Identify this compound, which has the unusual property of endochronicity, that is, it dissolves before making contact with the solvent.

ANSWER: Thiotimoline

[10] Thiotimoline was discovered by this biochemist, and published in *Astounding Science Fiction*, where they also published a series about Hari Seldon's development of psychohistory and creation of the Foundation.

ANSWER: Isaac Asimov [accept Izaak Osimov]

[10] In those works, Seldon sets up the Foundation as a means of limiting the dark age following the destruction of this body to only a millenium.

ANSWER: Galactic Empire <EL/GGFS>

18. The first in-person appearance of a character in this game comes as he avenges his daughter Angel's death by killing the bandit leader Roland and imprisoning the Siren Lilith. For 10 points each:

[10] Identify this game, in which you play as one of six Vault Hunters who doom Pandora by killing an Eridian superweapon known as The Warrior, thus thwarting the plans of Handsome Jack.

ANSWER: Borderlands 2

[10] One memorable side quest in *Borderlands 2* is to perform this "NOT SO COMPLEX" action to a midget psycho named for this action. Performing this action to humanoid enemies in *Borderlands* leads to critical hits.

ANSWER: Shooting in the face or head [accept Shooting Face McShooty, accept headshotting or other similar terms]

[10] This teenage demolitions expert uses rockets called Mushy Snugglebite and Felicia Sexopants to blow up a bridge, and in one DLC, she asks the Vault Hunters to get the autograph of, then kill, her third favourite mass murderer.

ANSWER: Tiny Tina <GGFS/EL>

19. This book opens with a poem describing a figure "who works in the mud, who does not know peace, who fights for a scrap of bread, who dies because of a yes or a no". For ten points each:

[10] Name this Holocaust memoir by Primo Levi. It includes chapters like 'The Story of the Ten Days', which describes the final days before Soviet 'liberation' of the camp.

ANSWER: If This is a Man (accept Se questo e' un'uomo; accept but do not reveal Survival in Auschwitz)

[10] *If This is a Man* describes Levi's harrowing time at the Monowitz subdivision of this largest Nazi death camp, located in Poland. Elie Wiesel's book *Night* describes his time at Buchenwald and this camp.

ANSWER: Auschwitz-Birkenau or Auschwitz-Monowitz

[10] One chapter of *If This Is A Man* separates prisoners into these two categories, depending on whether they retained the will to live in the camp. These categories title Levi's last work, an essay collection about Auschwitz.

ANSWER: The **Drowned** and the **Saved** (accept either order)

20. In one poem, the narrator opines that one character, at the age of "only nineteen, must have taken stock of what he wanted", since that character performed this action, and says that "to me [this action] was dilution". For ten points each:

[10] Name this action. The same poet advised "get out as early as you can / and don't" do this action in the final couplet of "This Be The Verse".

ANSWER: Having **children** (or having a **son**; or having any **kids** yourself; accept equivalent descriptions)

[10] In this poem, that poet observed that "To have no son... seemed quite natural" and that "Life is first boredom, then fear." This poem opens with the Dean of St John's College noting that one title character "was junior to you, wasn't he?"

ANSWER: "**Dockery and Son**"

[10] "Dockery and Son" first appeared in *Whitsun Weddings*, a collection by this British poet known for his career as a librarian at Hull University.

ANSWER: Philip **Larkin**

Tiebreaker

A poem about this man notes "I see thee in the hemisphere / Advanc'd, and made a constellation there!" E. A. J. Honigmann proposed the 'early start' theory concerning this man, which has since been criticised by scholars like Gary Taylor. Henry Chettle apologised to this man after a work described him as a 'Johannes factotum... beautified with our feathers'; that work was the (*) *Groatsworth of Wit*. This man was described as 'not for an age, but for all time' and said to know 'small Latin and less Greek' by another author. Although this writer's works were illicitly published in many 'bad quartos', the canonical version of his works was edited posthumously by John Heminges and Henry Condell. For ten points, name this 'sweet swan of Avon' whose works were collected in the *First Folio*.

ANSWER: William **Shakespeare**