

Quizmaster's Sheet (40 pt total)

Round 1: Animations featuring Cute Animals (1 pt each, 5 pt total)

1. What is the name of the crab in the Disney film "The Little Mermaid"?
Answer: Sebastian
2. Children's show "Pingu" is about a family of anthropomorphic penguins. The episode "Pingu Runs Away" was one of the few episodes banned in the UK due to Pingu's mother doing what?
Answer: Spanking (half point for hitting)
3. The "The Magic School Bus" featured Miss Frizzle taking her class on field trips to learn about the wonders of science. What specific species of animal is the class pet?
Answer: Chameleon (half point for lizard)
4. In early 2022, the "Baby Shark" song became the first YouTube video to hit 10 billion views. Including baby shark, how many members of the shark family are referenced in the song?
Answer: 5
5. In the box-office hit "The Land Before Time", Littlefoot and friends attempt to make their way to the Great Valley, after Littlefoot is orphaned when his mother is eaten by a "Sharp-tooth". What kind of animal is a Sharp-tooth?
Answer: Tyrannosaurus Rex

Rounds 2: Who said the Viral Tweet (1 pt each, 5 pt total)

6. May 30 2017: "Despite the constant negative press covfefe". Was it a.) Katy Perry b.) Donald Trump or c.) Elon Musk
Answer: b.) Donald Trump
7. May 1 2020: "Tesla stock price is too high... ". Was it a.) Nancy Pelosi b.) Bill Gates or c.) Elon Musk
Answer: c.) Elon Musk
8. May 1 2013: "How Can Mirrors Be Real If Our Eyes Aren't Real". Was it a.) Snoop Dog b.) Stephen Hawking or c.) Jaden Smith
Answer: c.) Jaden Smith
9. March 21, 2006: "just setting up my twitter". Was it a.) Jack Dorsey b.) Barack Obama or c.) David Cameron
Answer: a.) Jack Dorsey (this was the first tweet)
10. March 14, 2022: "I hereby challenge Vladimir Putin to single combat. Stakes are Ukraine." Was it a.) Piers Morgan b.) Joe Rogan or c.) Elon Musk?
Answer: c.) Elon Musk

Round 3: Mythical Creatures in Pop Culture (1 pt each, 5 pt total)

11. In the second season of the Witcher, the main antagonist is a demon who dwells deep in the forest in a hut standing on chicken legs. This is a reference to what supernatural being from Slavic folklore?
Answer: Baba Yaga
12. In 2017, a series of photoshopped photographs of male models was created by a Russian photographer and turned into an internet meme representing an ultra-masculine, impossibly attractive male, who is known as what?

Answer: GigaChad

13. In the novel “20,000 Leagues Under the Sea” by Jules Verne, the Professor initially believes the sea monster, which is in reality the Nautilus submarine, to be a gigantic version of what sea creature? Hint: The answer is not the Kraken.

Answer: Narwhal

14. On June 6, 2021, Logan Paul fought Floyd Mayweather Jr in an 8 round boxing match. What is the Pokemon on the \$150,000 Pokemon card that Paul wore around his neck walking into the ring?

Answer: Charizard

15. In the Twilight series, what is the name of the involuntary mechanism by which werewolf shape-shifters such as Jacob find their soulmates?

Answer: Imprinting

(Break)

Round 4: Things Cambridge Students should know... (1 pt each, 15 pt total)

(A student studying the topic should get all the answers, but the questions are still reasonably accessible to anyone)

Natural Sciences

16. Which famous physicist won the 1921 Nobel Prize in Physics for discovering the photoelectric effect?

Answer: Einstein

17. In TV-series Breaking Bad, Walter White dissolves a body in hydrofluoric acid, which is a highly regulated chemical. In reality, the well-known method for dissolving organic bodies is to use the strong base sodium hydroxide, which is readily available, and better known by what name?

Answer: Lye (Caustic soda is also acceptable)

18. After a 40 year search, what subatomic particle, also known as the “God particle”, was discovered in 2012 at the Large Hadron Collider at CERN near Geneva, Switzerland?

Answer: Higgs Boson

Mathematics

19. Often referred to as the “founder of geometry”, who is the ancient Greek mathematician whose textbook “Elements” served as the main textbook for teaching mathematics from its publication in 300 BC until the early 20th century?

Answer: Euclid

20. In 1994, after 358 years of effort by mathematicians, Andrew Wiles released the first successful proof of what infamous mathematical theorem, referred to as “the most difficult mathematical problem” by the Guinness Book of World Records?

Answer: Fermat’s Last Theorem

21. What number is represented in Roman Numerals by the letter D?

Answer: 500

Law

22. “The Magic Circle” is an informal term describing the 5 most prestigious London multinational law firms based on profitability. Name any one of these 5 firms.
Answer: Allen & Overy, Clifford Chance, Freshfields Bruckhaus Deringer, Linklaters, Slaughter and May
23. The Code of Hammurabi from ancient Babylon, the Law of Moses based on the Torah, and The Law of Twelve Tables from ancient Rome all make use of the principle of “*lex talionis*”, which would be considered far too brutal today. In English, “*lex talionis*” is better known by what common idiom?
Answer: An eye for an eye
24. The State of Tennessee v. John Thomas Scopes was an American legal case from 1925 in which Scopes, a high school teacher, was accused of violating Tennessee's Butler Act, which had made it unlawful to teach human evolution in any state-funded school. By what name is this case commonly referred to as?
Answer: The Scopes Monkey Trial

Medicine

25. Methanol poisoning most commonly occurs following ingestion of windshield washer fluid. What is the commonly found household food or drink that can act as an antidote because it acts as a competitive inhibitor against methanol?
Answer: Ethanol (“Alcohol” acceptable) (warning: do not try this)
26. For an intramuscular injection, it is common practice to draw back on a syringe after the needle is inserted to check whether it is in a blood vessel. What is this technique called?
Answer: Aspiration
27. In 2021, former NFL player Philip Adams shot and killed 6 people. In the autopsy, it was revealed that his brain suffered from an unusually severe case of what brain disease, also known as “punch-drunk syndrome”?
Answer: Chronic traumatic encephalopathy (CTE is fine)

Engineering

28. This question is from the US Air Force officer qualification test.
In an aircraft, which of the following movements will occur if front pressure is applied to the elevator? A. The nose of the aircraft will go up. B. The nose of the aircraft will go down. C. The left wing will go up. D. The left wing will go down. E. The aircraft will turn to the right on its vertical axis.
Answer: B. The nose of the aircraft will go down
29. What does the abbreviation FM in FM radio stand for?
Answer: Frequency Modulation
30. What is the name of the Nazi wonder weapon developed during World War 2 which became the forerunner of modern space rockets?
Answer: V2 Rocket

Bonus Question (2 pts): The five fields of study in Round 4 are the five most popular courses, by acceptances, at the University of Cambridge in 2021. Mathematics is the fifth most popular course. Order the other four courses from most to least popular.

Answer: Natural Sciences, Engineering, Medicine, Law

Picture Round: Constellations (*1 pt ea, 8 pt total*)

1. Cassiopeia, or the Queen
2. Cygnus, or the Swan
3. Orion, or the Hunter
4. Pegasus, or the Winged Horse
5. Pisces, or the Fish
6. Scorpius, or the Scorpion
7. Taurus, or the Bull
8. Ursa Minor, or the Little Bear