

1. What do Dmitri, Earnest, Earnest, Enrico, Marie and Pierre, Wilhelm, Nicolaus, Niels and Albert all have in common? (possible 10pts)

They all had elements named after them (1pt). Dmitri Mendeleev – Mendelevium (1pt), Earnest Rutherford – Rutherfordium (1pt), Earnest Lawrence – Lawrencium (1pt), Enrico Fermi – Fermium (1pt), Marie and Pierre Curie – Curium (1pt), Wilhelm Röntgen – Roentgenium (1pt), Nicolaus Copernicus – Copernicium (1pt), Niels Bohr – Bohrium (1pt), Albert Einstein – Einsteinium (1pt).

1 pt for saying they are all scientists

2. What do teams representing Seattle, Norwich, St Louis, Toronto, Brighton and Pittsburgh have in common, and why is the one from Pittsburgh the odd one out? (possible 8pts)

They all have names or nicknames with birds in the title (1pt). Penguins are the only ones that can't fly (1pt). Seattle Seahawks (1pt), Norwich City – The Canaries (1pt), St Louis Cardinals (1pt), Toronto Blue Jays (1pt), Brighton and Hove Albion – The Seagulls (1pt), Pittsburgh – Penguins (1pt)

3. What do the twin sons of Ares, the four lovers of Zeus, Cronus and his brothers and sisters, the King and Queen of the fairies and the son of Poseidon have in common and why would the Ferryman be an appropriate addition to the list? (possible 12pts)

They are all moons of the planets in our solar system (1pt). The ferryman was Charon in greek mythology, and Charon is the largest moon of Pluto (1pt). Sons of Ares – Phobos and Deimos – Moons of Mars (2pts), Lovers of Zeus – Io, Callisto, Ganymede and Europa – Main moons of Jupiter (4pts), The moons of Saturn are all named after the Titans (brothers and sisters of Cronus) (1pt), King and Queen of the fairies Oberon and Titania – The moons of Uranus (2pts), The son of Neptune Triton – Moon of Neptune (1pt)

4. What links: a classic British car manufacturer, a “Red Stick”, a mythological firebird, a famous discoverer, a supersonic aircraft without the last vowel and The Simpson’s home? (possible 7pts)

They are all American State Capitals (1pt). Car manufacturer – Austin Texas (1pt), Red Stick – Baton Rouge Louisiana (1pt), Firebird Phoenix Arizona (1pt), Explorer – Columbus Ohio (1pt), Aircraft – Concord(e) New Hampshire (1pt), Simpson’s home – Springfield Illinois (1pt)

5. What links the names of: The 3rd president of the USA, The creator of the Quangle Wangle, The actor who played the “Fonze”, a notoriously bad tempered chef, the bank robbers Frank and Jesse, and why would the creator of “Ozymandias” and “Prometheus Unbound” be an appropriate addition to the list? (possible 8pts)

They are all Tomas the Tank Engine Characters (1pt). Percy Byshe Shelley wrote ozymandius and Prometheus Unchained and Percy was also one of the engines (2pts). President Thomas Jefferson (1pt). Quangle Wangle writer Edward Lear (1pt), The Fonze was Henry Winkler (1pt), Chef – Gordon Ramsey (1pt), Frank and Jesse James (1pt).

6. What would I be making if I bought: The famous liqueur from Angers, The fermented and distilled juice of the agave, A *Citrus Latifolia* and a pinch of NaCl? (possible 5pts)

I would be making a Margarita cocktail (1pt). Liqueur – Cointreau (1pt), Agave Juice – Tequilla (1pt), Citrus Latifolia – Lime (1pt), NaCl – Salt (1pt).

7. What links: Bob Falfa, Rick Deckard, Jack Ryan, President James Marshall, Richard Kimble and who was Henry Walton Jones? (possible 8pts)

They are all characters played by Harrison Ford in films (1pt). Henry Walton Jones is Indiana Jones’ real name (1pt). Bob Falfa – American Graffiti (1pt), Rick Deckard – Blade Runner (1pt), Jack Ryan – Patriot Games and Clear and Present Danger (2pts), President James Marshall – Airforce One (1pt), Richard Kimble – The Fugitive (1pt).

8. What links the following literary characters: A wearer of characteristic yellow checked trousers, a perpetrator of “goings on at number 32”, the “mancub’s” friend and mentor, a companion of Jolly Tall and Branwell Brown, a religious totem in a Richard Adams novel and “The Owl Man’s” friend and inhabitant of Berne. (possible 7pts)

They are all bears (1pt). Checked trousers – Rupert (1pt), Goings on at 32 – Paddington (1pt), Mancub’s friend – Baloo (1pt), Jolly and Branwell’s friend – Old Bear (1pt), Religious totem – Shardick (1pt), The Owl Man’s friend Mary Plain (1pt).

9. If there are 9 Bright Shiners and 6 proud Walkers, how many Lily-white boys are there and what colour are they're clothes? And what's the total of how many went to heaven, the stars in the sky and the symbols at your door? (possible 7pts)

They are all lines from the song "Green Grow the Rushes O" (1pt). There were 2 Lily-white boys dressed in green (2pts). 11 went to heaven, there are 7 stars in the sky and 5 symbols at your door, $11+7+5=23$ (4pts)

10. If Lord's Cricket Ground is silver and Wimbledon Centre Court is green; what colour are Spurs' White Hart Lane, The Olympic Velodrome, Wembley Stadium, The Oval Cricket Ground and Arsenal's Emirates Stadium? Also why is Twickenham colourless? (possible 8pts)

The colours represent the tube line these London sports venues are on (1pt). White Hart Lane – Light Blue (Seven Sisters - Victoria Line) (1pt), Velodrome – Red and silver (Stratford – Central and Jubilee Line2) (2pt), Wembley – Silver and Maroon/Purple (Wembley Park – Jubilee and Metropolitan Lines) (2pts), Oval – Black (Oval – Northern Line) (1pt), Arsenal – Dark Blue (Arsenal – Piccadilly Line) (1pt). Twickenham has no tube station and is therefore colourless (1pt).

11. How would I get from: Mirabeau to The Swimming Pool and then, Chapel to Stowe. Where would I be if I went from Tertre Rouge to Indianapolis via Mulsanne, and where would I catch the bus and take in the "Red Waters"? (possible 7pts)

They all refer to parts of motor racing circuits (1pt). Mirabeau to The Swimming Pool via the tunnel at Monaco (2pts), Chapel to Stowe via Hanger Straight at Silverstone (2pts). Tertre Rouge to Indianapolis via Mulsanne – Le Mans (1pt), catch the bus and take in the "Red Waters" – The bus stop and Eau Rouge at Spa Francorchamps (2pts).

12. What links Mr Hull and his antipodean friend, the theme music to the BBC's coverage of Formula 1, to move very slowly and carefully, a mythical John, upon whom the harvest depended and a group of teams who all play against each other? What is the result of squaring Mr Hull? (possible 7pts)

They are all archaic or old-fashioned forms of measurement (1pt). Rod (15 feet) Hull and Emu (1pt), Formula 1 music – The Chain (22 yards) (Fleetwood Mac) (1pt), To move slowly is to Inch (1pt), Mythical John Barleycorn (1/3 of an inch) (1pt), Group of teams is a League (3miles) (1pt). 1 square Rod is a Perch (1pt).

13. What's the connection between a famous American chess grandmaster, an interplanetary probe, a decisive sea battle, a flat fish and a brand of cream liqueur? About how old would I be if I was half way between Scotland and Norway? (possible 7pts)

They are all area on the Met Office shipping forecast (1pt). Chess Grand master Bobby Fisher (1pt), Probe – Mars Viking Lander (1pt), Sea battle – Trafalgar (1pt), Flat fish – Sole (1pt), Cream liqueur – Bailey's (1pt). I would be in my Forties (1pt).

14: If "The End of the Earth" is 29, "North" is 59 and "English Channel" is 50, where am I, and why might 1 to 95 and 33 be great destinations for a tuophile and an oenophile respectively? (possible 8pts)

They all refer to French Departments (1pt). "The End of the Earth" is Finistere (29) (1pt), North is Nord (59) (1pt), "English Channel" is Manche (50) (1pt). An Oenophile is a wine lover and 33 is Bordeaux (2pts). A tuophile is a cheese lover and you can get good cheese all over France hence all 95 Departments (2pts).

15: What links: a Scottish church, an American paediatrician, a brand of snacks and an ill-fated polar explorer? Why would Sagittarius and the first person to reach the bottom of the ocean sound like they would be appropriate to add to the front and rear of this list respectively? (possible 9pts)

They are all officers on the star ship Enterprise (1pt). A Scottish church is a Kirk (1pt). Benjamin Spock was a paediatrician who wrote "Baby and child care" (1pt). A brand of crisps are McCoy's (1pt). Robert Falcon Scott was a polar explorer who died on his expedition (1pt). Sagittarius was the Archer, and Jonathan Archer was Captain of the first Enterprise (2pts). Jacques Piccard was the captain of the Nautilus; the first sub to reach the bottom of the Mariana Trench (deepest Ocean Trench) which sounds like Jean-Luc Picard, the Captain of the new Enterprise after Kirk (2pts).