

	Question	Green is 'right', yellow is 'wrong', pink is 'impossible'			Explanation
eg	Layer in the Earth's crust with highest average temperature	Outer core	Inner core	Mantelpiece	Inner core between 5,000 and 7,000 deg K Outer core is between 3,000 and 5,000 deg K Mantle is less than 3,000 deg K, but the mantelpiece ?
1	Inedible fish	Salmon	Boxfish	Groupon	Boxfish is poisonous to humans Salmon is tasty Groupon is an online discount voucher scheme
2	Metallic element that is a liquid at 100 degC	Bromine	Indium	Sodium	Sodium melts at 97.5 Indium melts at 156.6 Bromine is not a metal
3	Element named after a famous scientist?	Gadolinium	Opprobrium	Promethium	Gadolinium named after gadolinite, in turn named for Finnish chemist and geologist Johan Gadolin. Prometheus was the Titan in Greek mythology who stole fire from Mount – not a scientist. Opprobrium is harsh criticism
4	Which organic compound has the lowest molecular weight	Calcium Carbonate	Benzene	Sugar	Benzene MW 78.11 Sugar MW 342.3 Calcium carbonate is Inorganic
5	Which colour has the shortest wavelength	Violet	Green	Ultramarine	Violet 400-450 nm Green 500-570 nm Ultramarine is a pigment

6	Smallest imperial weight	Ton	Quart	Hundredweight	Hundredweight is 112 pounds Ton is 2240 pounds Quart is a LIQUID measure
7	Native UK trees	Silver Birch	Golden Oak	Platinum Blonde	Silver birch is native to the UK Golden oak (Quercus alnifolia) is native to Cyprus Platinum blonde
8	Most useful insects	Aphid	Ground beetle	Woodlouse	40,000 species of Ground Beetle: Eat caterpillars, maggots, aphids, slugs. Aphids eat plants! Woodlouse is a crustacean, not an insect.
9	Largest aircraft wingspan ever to fly	Flying Fox	Stratolaunch	Spruce Goose	Flying fox is a bat Stratolaunch is due to launch in 2019 Spruce Goose (the Hughes H-4 Hercules) was the largest wingspan. The hangar is now being converted into one of Google’s newest offices
10	Largest mammal	Whale shark	Blue whale	African bush elephant	Whale sharks are sharks and therefore fish Blue whale 140,000 kg African bush elephant 6,000 kg
11	Animal with the most teeth	Giant armadillo	Spinner dolphin	Tooth fairy	Spinner dolphin up to 252 teeth Giant armadillo – up to 100 teeth Tooth fairy – depends how many children she visits, but not a real animal!
12	Most deadly plant	Deadly dapperling	Deadly nightshade	Tobacco	Deadly dapperling is a fungus, not a plant Deadly nightshade is poisonous, but tobacco is more deadly, causing more than 5 million deaths per year

13	Largest moon	Callisto	Runnymede	Titan	Jupiter's moon, Titan, is the 2nd largest in the solar system, after Saturn's Ganymede. Callisto is the 2nd largest moon of Jupiter. Runnymede is a water-meadow alongside the Thames
14	Most recent chemical process	Haber	Bessemer	Brexit	Haber process demonstrated in 1909 Bessemer process 1856 Brexit process produces a lot of hot air and strong reactions, but there's not much chemistry involved
15	Most important theory	Heliocentrism	Plate tectonics	Evolution by natural selection	Heliocentrism: Copernicus 1543 – revolutionary in its time! Darwin's Evolution theory also a contender Plate tectonics: Wegener 1912, Wilson 1960s
16	Highest cloud formation	Altostratus	Cirrus	Tumulus	Altostratus mid-level 6,500-20,000 feet Cirrus high-level above 20,000 feet Tumulus – a mound of earth raised over a grave
17	Which Physics Nobel laureate discovered the electron?	Peter Higgs	Robert Robinson	J.J. Thomson	In 1962 Peter Higgs predicted the existence of the Higgs boson, discovered in 2012. JJ Thomson discovered the electron in 1897 Robert Robinson was a chemist who worked on plant dyestuffs
18	Common types of computer storage	Floppy disc	Hard disc	Slipped disc	Who uses floppy discs any more?