



STEM Quiz 1

Age range 11 – 16

Answers

Round 1: Invention and Discovery

1) Which great painter was also a famous inventor?

D Leonardo Da Vinci

2) Name one of Thomas Edison's inventions

B The incandescent light bulb

3) In 1928, Alexander Fleming discovered that mould contained properties that could kill bacteria. This led to the invention of which lifesaving drug?

B Penicillin

4) In 1786, Dr Edward Jenner discovered vaccination in its modern form. Which was one of the very first diseases that people were vaccinated against?

D Small Pox

5) In 1922, the Egyptologist Howard Carter made one of the most important archaeological discoveries of the 20th Century whilst excavating a site in the Valley of the Kings. What did he discover?

A Tomb of Tutankhamun

Round 2: Physics and Space

1) Why does a helium filled balloon float?

A Because helium is less dense than air

2) Name a renewable energy source

B The sun

3) What is the name of the 2nd biggest planet in our solar system?

A Saturn

4) A magnifying glass is what type of lens?

A Convex

5) The world's largest high energy particle accelerator can be found 175m below the earth's surface in Switzerland – what is it called?

A Large Hadron Collider

Round 3: Engineering

1) In which city would you find the world's tallest building?

B Dubai

2) What landmark anniversary did the London Underground, a triumph of engineering, celebrate in the year 2013?

B 150

3) Which famous Victorian engineer built the Great Western Railway and the Clifton Suspension Bridge in Bristol?

C Isambard Kingdom Brunel

4) The world's first cast iron arch bridge can be found in Shropshire. Which river does it span?

B The river Severn

5) The American Society of Civil Engineers has compiled a list of the seven wonders of the modern world. Name one of the wonders from this list.

A Golden Gate Bridge

Round 4: Chemistry

1) What colour does an acid turn litmus paper?

A Red

2) K is the chemical symbol for which element?

B Potassium

3) At room temperature, what is the only metal that is in liquid form?

C Mercury

4) Which allotropic element connects graphite with a diamond?

A Carbon

5) What does an atom consist of?

C A nucleus surrounded by electrons

Round 5: Biology

1) Name the process where plants convert light energy into chemical energy a. Pollination

C Photosynthesis

2) Which famous scientist introduced the idea of natural selection?

C Charles Darwin

3) What is the human body's biggest organ?

D Skin

4) What does an Entomologist study?

A Insect

5) Mammals generate heat to maintain their body temperature, meaning that they are warm blooded. What is another term for this process?

B Endothermic

End of Quiz