

STEM Quiz 2 Answers

This quiz can be played in teams or individually, and is suitable for ages 6 to 10

There are five rounds to the quiz:

Round 1: Our world in motion

Questions about the wonders of our world in motion

Round 2: Physics and Space Questions about forces, motion, energy and space

Round 3: Engineering

Questions about famous feats of engineering and the way things

work

Round 4: Chemistry

Questions about materials, changes and chemicals

Round 5: Biology

Questions about living things







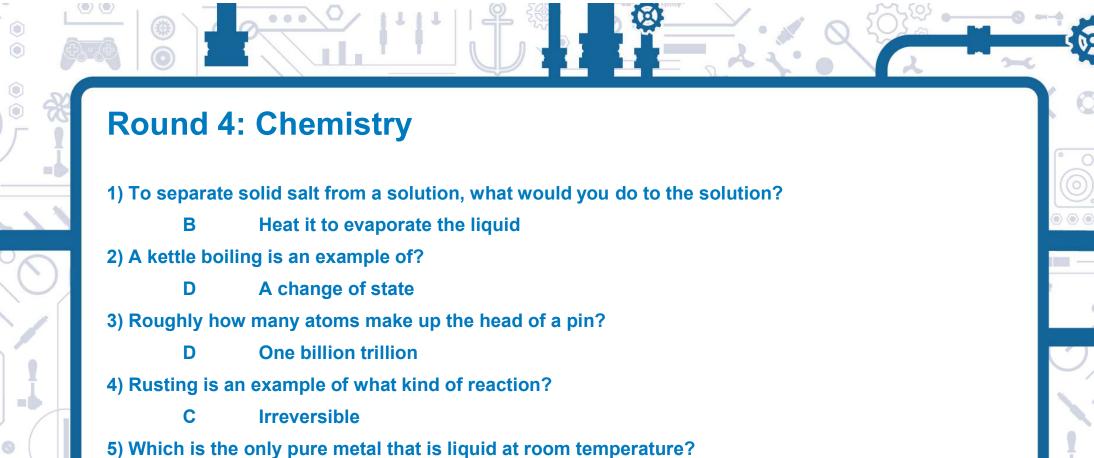
- 1) What is the fastest animal in the world?
 - **C** Peregrine falcon
- 2) What are the moving plates of the earth's crust called?
 - **B** Tectonic plates
- 3) When animals move a long way to another habitat in search of food, it is known as?
 - **C** Migration
- 4) The sea has two high tides and two low tides per day. What causes the sea to move like this?
 - A The gravitational pull of the sun and the moon
- 5) What is the approximate speed of light?
 - C Three hundred million metres per second



- 1) What is the name given to the rocks in orbit around the Sun between Mars and Jupiter?
 - C Asteroids
- 2) A wind turbine transforms movement energy mainly into what other form of energy?
 - D Electrical
- 3) How long does the earth take to complete one orbit of the sun?
 - D A year
- 4) What type of materials are good thermal conductors and good electrical conductors?
 - C Metals
- 5) In Albert Einstein's famous equation, E=mc², what does the letter E stand for?
 - B Energy



- 1) Which of these famous engineering projects was completed most recently?
 - D The Airbus A380 superjumbo jet
- 2) How could an engineer help reduce the amount of greenhouse gasses we produce?
 - D By designing cars that use less fuel
- 3) What kind of engineer might help to produce artificial limbs for humans?
 - C Biomedical engineer
- 4) How are computers connected to the internet?
 - **C** Through Optical Fibres
- 5) What is the world speed record for a solar powered car?
 - D 115 kilometres per hour



D

Mercury



- 1) Yeast and bacteria are examples of what?
 - C Micro-organisms
- 2) As well as certain nutrients and oxygen, what other three things do plants need to grow?
 - B Carbon dioxide, water and light
- 3) Which organ in your body contains hydrochloric acid?
 - A Stomach
- 4) Excess fertilisers from fields that wash into rivers and streams can cause algae to overgrow. What is the main problem with this?
 - D Algae blocks out light, causing other water plants to die
- 5) What proportion of food crops are pollinated by insects, birds or animals?
 - B Two thirds

End of Quiz