



**Junior STEM Quiz 1
Answers
Age range 6 – 10**

Round 1: Invention and Discovery

1) Which 19th Century invention is used by doctors to check for broken bones?

B X-Ray machine

2) Which 1970's invention is used by people across the world to send messages to each other using the internet?

C E-mail

3) In 1875, Alexander Graham Bell invented a device that could send a person's voice down a wire to a receiver on the other end. What was this invention?

A Telephone

4) Which was invented first?

B Typewriter

5) In 1903, the Wright brothers tested a machine that carried a man into the air, flew 120 feet and landed 12 seconds after take-off. Which mode of transport were they testing?

C Aeroplane

Round 2: Physics and Space

1) Complete the sentence: The Sun is a source of....

D All of the above

2) There is a story which says that whilst lying against a tree in an orchard, the scientist Isaac Newton was hit on the head by a falling apple. What is the name of the force that made the apple fall?

C Gravity

3) What takes about 27 days to orbit the earth?

A The Moon

4) Which planet is also known as the 'Red Planet'?

D Mars

5) If an object is see through it is called...

A Transparent

Round 3: Engineering

1) Why is steel a good material use when building tall buildings?

C It is strong

2) In which country is the Empire State building found?

C United States of America

3) Some Environmental Engineers design products that generate electricity through renewable energy sources. A solar panel generates electricity by using light from which source?

A The sun

4) Isambard Kingdom Brunel is a famous British engineer who built bridges, ships, stations and tunnels in Victorian times. Which fictional bear, with a liking for marmalade sandwiches, is named after one of his creations?

D Paddington Bear

Round 4: Chemistry

1) An ice cube is in which state?

B **Solid**

2) Name a material that conducts electricity

C **Copper**

3) Can you name something that dissolves in water?

B **Sugar**

4) What is the boiling point of water?

B **100 degrees centigrade**

5) If you apply heat to chocolate, what will happen?

B **It will melt**

Round 5: Biology

1) Cows, sheep and horses are all examples of herbivores. What type of food wouldn't they eat?

D Meat

2) Which organ pumps blood around the body?

A The heart

3) Which bird lays the largest eggs?

B Ostrich

4) Can you name an animal that is not a mammal?

A Snake

5) What does a caterpillar turn in to?

B Butterfly

End of Quiz