

## Reading Comprehension Answers

1. Isaac is best known for his work in which areas? Tick **two**.

- farming
- science**
- medicine
- mathematics**

2. Number the events from 1-5 to show the order in which they happen in. The first one has been done for you.

- 3** Isaac began his education at Trinity College, Cambridge.
- 5** Isaac was elected as President of the Royal Society.
- 1** Isaac was born in Woolsthorpe, Lincolnshire.
- 4** Isaac published his book, 'Principia'.
- 2** Isaac was sent to boarding school.

3. Look at the section called **Education**.

Find and copy one word which means the same as 'at first'.

**initially**

4. Which **two** ancient Greek thinkers did Isaac study at Trinity College?

**Aristotle**

**Plato**

5. Fill in the missing words.

People involved in the Scientific **Revolution** were concerned with **experimental** scientific methods to understand how nature works.

6. Explain how you think that Isaac would have felt about having to move back to rural Lincolnshire during the plague outbreak in Cambridge.

**Pupils' own responses, such as: Isaac may have felt frustrated that he had to move back to rural Lincolnshire because he had not enjoyed the rural role that he had experienced earlier in his life and he may have missed life in Cambridge. However, he may also have felt safe in the countryside knowing that he was away from the plague outbreak.**

7. Predict how you think people of the time would have responded to the publication of Isaac's 'Principia'.

**Pupils' own responses, such as: People at the time may have been impressed with Isaac's ground-breaking ideas and inspired by his discoveries. However, some people may have been shocked by how different his ideas were from those of the traditional Greek thinkers.**

8. ...when rowing a boat, we move the water backwards with the paddle and the water reacts with equal force, pushing the boat in the opposite direction.

Provide another example of the third law of motion.

**Pupils' own responses, such as: Another example of the third law of motion could be when you let go of a balloon: the air pushes down and the balloon reacts by moving upwards.**

9. Isaac wrote, 'Plato is my friend, Aristotle is my friend, but my best friend is truth.'

Explain what you think Isaac meant by this.

**Pupils' own responses, such as: Isaac could have meant that he respected the work of Aristotle and Plato but he also believed that it was important to keep searching for the truth. He was not afraid to look for new answers to problems that may not agree with the beliefs of these ancient thinkers.**

10. Summarise Isaac's achievements in 25 words or fewer.

**Pupils' own responses, such as: Isaac was a highly influential scientist and mathematician. He made ground-breaking discoveries into gravity, motion and light which are still relevant to this day.**