

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. *In your own words, explain the second law of motion using the sentence starter...*

**If an object's mass is less (less heavy) it will need a greater force to move it or make it move faster.**

**(You might have explained that if something is heavier it requires a greater force to move it)**

**An adult at home will need to look at your final answer. They just need to have read the paragraph about the 'second law of motion' so that they can check your answer.**