

Sir Isaac Newton

The scientist who discovered gravity



Look at the pictures. Choose the correct words to the pictures.

physics, mathematics, astronomy, disease, gravity, telescope, scientist, Earth, sun, rocket, rainbow, mirror



Listen to the audio, and put the paragraphs in correct order.

Isaac Newton

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<p>When he was 18, Isaac went to study at Cambridge University. He was very interested in physics, mathematics and astronomy. In 1665 the Great Plague, which was a terrible disease, spread in England, and Cambridge University had to close down. Isaac returned home to the farm.</p>	<p>Isaac continued studying and experimenting at home. One day, he was drinking a cup of tea in the garden. He saw an apple fall from a tree.</p>	<p>Thanks to his discoveries, Isaac became very famous. However, he had a bad temper and often argued with people. 'You stole my discovery!'</p>
<p>Sir Isaac Newton died in 1727 aged 85. He was buried along with English kings in the Royal Chapel at Westminster Abbey in London. He was one of the greatest scientists and mathematicians who has ever lived.</p>	<p>Isaac was fascinated by light. He discovered that white light is made up of all the colours of the rainbow. Isaac invented a special reflecting telescope, using mirrors. It was much more powerful than other telescopes.</p>	<p>Isaac Newton was born in Lincolnshire, England in 1643, where he grew up on a farm. When he was a boy, he made lots of brilliant inventions, like a windmill to grind corn, and a clock and a sundial. However, Isaac didn't get brilliant marks at school.</p>
	<p>Isaac made another very important discovery, which he called 'Three Laws of Motion'. These laws explain how objects move. Isaac's laws are still used today for sending rockets into space.</p>	<p>Why do apples fall down instead of up? From this, Isaac found his theory of gravity. Gravity is an invisible force that pulls objects towards the Earth and keeps the planets moving around the Sun.</p>

3. Listen to the audio again. Which items are mentioned in the audio?

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farm	orange	farm	astronomy
television	boy	clock	sundial
school	computer	physics	internet
gravity	Earth	Covid-19	apple
light	telephone	telescope	mirror
rocket	space	rich	famous
dance	windmill	poor	invention
sun	sleep	university	wifi
karaoke	England	Malaysia	rainbow

4 Are the sentences about the singer TRUE or FALSE?

- a. When he was a boy, he invented a windmill, a water clock and a sundial.
- b. He was very interested in physics, mathematics and astronomy.
- c. Cambridge University closed down because of a party.
- d. He formed the theory of gravity after he saw an orange fall from a tree.
- e. Gravity is an invisible force which pulls objects towards the Earth.
- f. He found that white light is made up of all the colours of the sky.
- g. His telescope was more powerful than other telescopes.
- h. His 'Three Laws of Motion' explain how objects work.
- i. He often danced with other scientists.
- j. He was one of the greatest scientists and mathematicians who has ever lived.

5 Choose the correct words in the box for sentence 1-6

physics	sundial	astronomy
gravity	telescope	rainbow

- 1. A tool used to see far away objects.
- 2. A branch of science. The study of force, energy and structure.
- 3. A colourful phenomenon in the sky after rain.
- 4. An old clock to show time. It uses shadow and sun light.
- 5. The force that pulls a body towards the centre of the Earth.
- 6. The study of outer space and universe objects.