



# Gravity

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1 What is the name of the force that pulls objects towards the ground? Tick **1** correct answer

- magnetic force
- gravitational force
- friction
- upthrust

2 In which direction will a ball move if you pick it up and then release it above the ground? Tick **1** correct answer

- The ball will not move.
- The ball will move upwards.
- The ball will move left-to-right.
- The ball will move downwards.

3 Which scientist is thought to have discovered the existence of gravity after seeing an apple fall from a tree in their garden? Tick **1** correct answer

- Marie Curie
- Albert Einstein
- Sir Isaac Newton
- Robert Hooke

4 Where would you feel the strongest gravitational force of attraction from Earth? Tick **1** correct answer

- On the International Space Station.
- At the top of Mount Everest.
- On the surface of the Moon.
- At sea level.



5 Which planet has the strongest gravitational field? Tick **1** correct answer

- Venus
- Earth
- Jupiter
- Mercury

6 Put these pairs of orbiting objects in order of increasing gravitational force between them, starting with the smallest. Use numbers to show the correct order

	The Sun orbiting the centre of the Milky Way galaxy.
	Earth orbiting the Sun.
	A communications satellite orbiting Earth.
	The Moon orbiting Earth.