



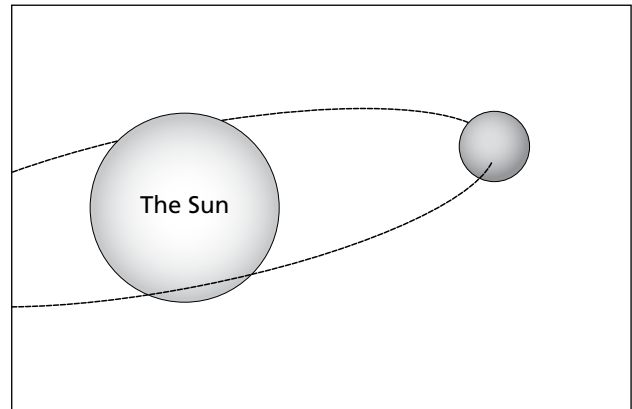
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See pages 8 and 9 of *Forces in action*

Gravity

One of the most common forces is gravity. This is the force that pulls us towards the centre of the Earth, and pulls the planets towards the Sun.

Q1. The diagram shows the planet Jupiter in its orbit around the Sun. Draw in arrows to show the forces acting on Jupiter.



Q2. (i) Which has the larger gravitational force – the Sun or the Earth? 

(ii) Explain your answer.



Q3. (i) How does the weight of an apple change when you move it from the Earth to the Moon?



(ii) Explain your answer. 



Q4. Name three things that gravity pulls down to the Earth.

Q5. How does gravity create problems?





Q6. If you were an astronaut, how would your health change if you were in space for a long time? Explain your answer.







