

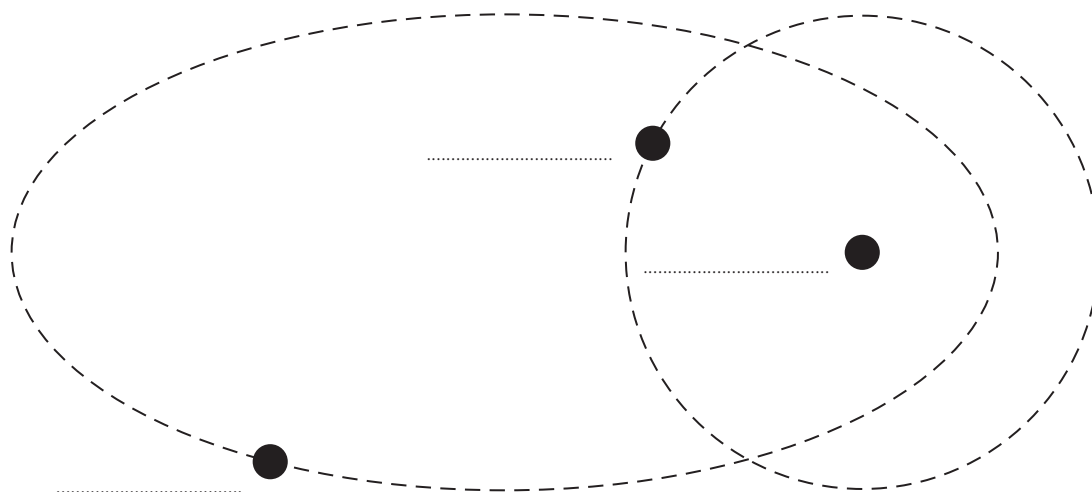
**2** Planets and comets in our Solar System orbit the Sun.

(a) Which force causes planets and comets to orbit the Sun?

(1)

(b) The diagram shows the orbits of a planet and a comet around the Sun.

[not to scale]



(i) On the diagram, label the planet, the comet and the Sun.

(1)

(ii) Explain why it is possible for a planet and a comet in our Solar System to collide.

(2)

**(Total for Question 2 = 4 marks)**