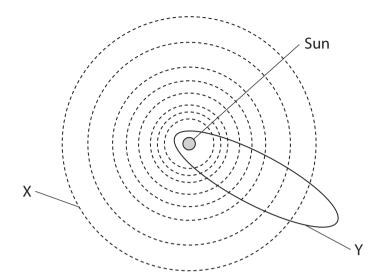
1 The diagram shows the orbits of some objects in the Solar System.



(a) (i) Path X is the orbit of a

(1)

- **A** comet
- B galaxy
- C planet
- **D** star
- (ii) Path Y is the orbit of a

(1)

- **A** comet
- B galaxy
- **D** star
- (b) The objects are held in orbit by

(1)

- A electrostatic force
- B frictional force
- **D** magnetic force

(Total for Question 1 = 3 marks)

) Which force causes planets and comets to orbit the Sun?	(1)
) The diagram shows the orbits of a planet and a comet around the Su	ın.
[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 Sy	
<i>(</i> 16	tion 2 = 4 marks)

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