

Name \_\_\_\_\_

Class \_\_\_\_\_

1 Cross out the wrong words in these sentences.

a The Moon is a **star/satellite/planet**.

[1 mark]

b The Moon orbits the **Earth/Sun/stars**.

[1 mark]

2 Which three of these sentences are correct? Tick **three** boxes.

The Sun and Moon and the planets all move around the Earth.

The planets and the Moon all circle around the Sun.

The planets all move around the Sun.

The orbits of the planets are all circular.

The orbits of the planets are all elliptical.

Satellites can be put into orbit around other planets.

Satellites can only be put into orbit around the Earth.

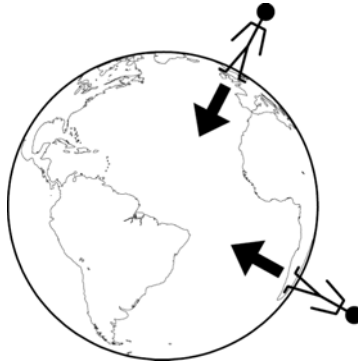
[3 marks]

3 What is the name of the force that pulls you downwards?

\_\_\_\_\_

[1 mark]

- 4 This diagram shows the direction that people in two different parts of the world would describe as 'down'.



Why are the directions different?

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[1 mark]

- 5 a Danny has a mass of 55 kg. What is his weight?  
The strength of gravity on the Earth is 10 N/kg.

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[2 marks]

- b Danny's father has a mass of 90 kg. Does Danny's father weigh more or less than Danny?

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[1 mark]

- c Explain your answer to part b.

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[1 mark]

- d If Danny could go to the Moon, would his weight be more, the same, or less than his weight on Earth?

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[1 mark]

- e Explain your answer to part d.

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[1 mark]

- 6 Describe **two** different uses for satellites.

i \_\_\_\_\_

ii \_\_\_\_\_

[2 marks]