

Name _____ Class _____ Date _____

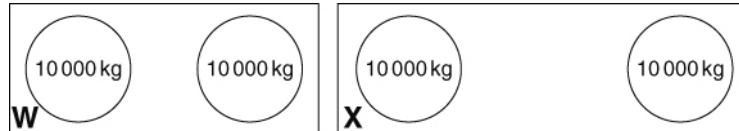
- 1 Gravity is a force that pulls objects towards each other.

Add arrows to this diagram to show the direction of gravity on the person at different places.



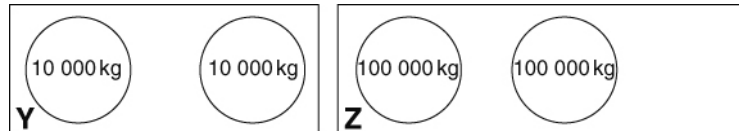
- 2 These diagrams show different objects in space. Which pair of objects has the biggest force of gravity between them? Explain your answers.

a



The objects in _____ (W/X) have the biggest force of gravity between them because _____

b



The objects in _____ (Y/Z) have the biggest force of gravity between them because _____

- 3 Write down the units for measuring:

a weight _____

b mass _____

- 4 An astronaut takes a book to the Moon.

a Is the mass of the book the same on the Earth and the Moon? _____

Explain your answer. _____

b Is the weight of the book the same on the Earth and the Moon? _____

Explain your answer. _____

- 5 What does 'gravitational field strength' mean?

I can...

- recall the direction in which gravity acts
- state the meaning of gravitational field strength
- recall the factors that affect the strength of gravity.