

Weight

1 Complete the following paragraph by filling in the missing words.

The weight of an object is measured in units called This means weight is a type of The weight of an object depends on the which varies depending on where you are in the solar system. In deep space, you are described as weightless because there is very little or no Objects on the moon weigh less than on earth and therefore it is to launch a rocket from the moon's surface.

(5 marks)

2 In 1971, during a mission to the moon, astronauts did an experiment with falling objects. The experiment involved dropping a feather and a hammer at the same time to see which would land first.



2 (a) The mass of the hammer was 2.0 Kg. Calculate the weight of the hammer on the moon.

Gravitational Field Strength on the Moon = 1.5 N/Kg

Show your working.

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Weight of hammer =
(2 marks)

(Total 7 marks)

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