

CIE Physics GCSE

Topic 1.3 - Mass and Weight

Flashcards

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Define mass.



Define mass.

The amount of matter contained in an object, **and a measure of its resistance to acceleration.**



Define weight.



Define weight.

The force acting on an object due the effects of its mass and gravity.



Give the equation for weight, including all SI units.



Give the equation for weight, including all SI units.

Weight (N) = mass (kg) x gravitational
field strength (kg/N)



What does g represent?



What does g represent?

The gravitational field strength.



How can weight be measured?



How can weight be measured?

- A force meter (spring balance)
- A weighing scale, which measures weight and converts it into mass (by dividing by g)

