

CIE Physics GCSE

Topic 1.3 - Mass and Weight

Flashcards

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.

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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)