

Science Units of Measurement

There are many units that you might encounter when analyzing data. The purpose of this activity is to familiarize yourself with some of them, and to test your understanding of their uses.

Pascals

PA

Measures the amount of pressure

Gigabytes

GB

Measures the amount of digital storage or data

Calories

CAL

Measures the amount of energy in food

Ampere

A

Measures the amount of electrical current

Moles

MOL

Measures the amount of atoms of a substance in chemistry

Hertz

HZ

Measures the frequency in cycles per second

Revolutions per Minute

RPM

Measures the amount of rotational speed

Volts

V

Measures the amount of electrical potential

Newtons

N

Measures the amount of force and object has

Joules

J

Measures the amount of energy or work

Watts

W

Measures the amount of electrical power

Light Years

LY

Measures the distance light travels in 1 year

- 1) What is the abbreviation for the unit that measures digital storage?
- 2) True or false: A light year measures the speed of light.
- 3) If a graph contained data on the y-axis with the units **Mol**, what are those numbers referring to?
- 4) Which 3 units in the boxes above measure electricity in some way?
- 5) Which unit would you find on a nutrition label on food?
- 6) A tachometer on the dashboard of an automobile, counts how many times the engine's crankshaft rotates in one minute, and how many times each piston moves up and down in its cylinder. Which unit is used to measure this?