

PAIRS GAME

ANSWER SHEET Physics

Renewable energy made from plant waste.

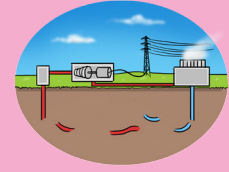
Definition



Biomass

Renewable energy source. Heat from the Earth.

Definition



Geothermal Energy

Movement energy.

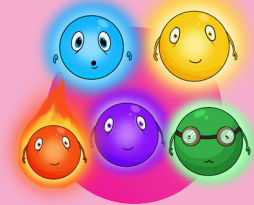
Definition



Kinetic Energy

6 forms are light, sound, heat, kinetic, electrical and chemical.

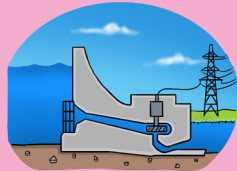
Definition



Energy

Usually refers to electric power from water held behind a dam.

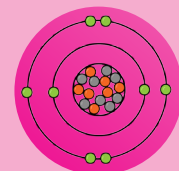
Definition



Hydro Energy

Energy transferred from atoms.

Definition



Nuclear Energy

The most useful form of energy. We use it everyday!

Definition



Electrical Energy

How energy from the Sun is transferred to Earth.

Definition



Radiation

Energy that will not run out.

Definition



Renewable Energy

When energy stored in one form is changed to a different form.

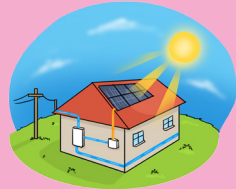
Definition



Transfer

Energy from the Sun.

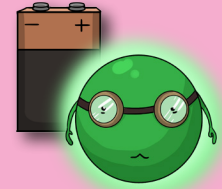
Definition



Solar

Energy stored in food, fuels and electrical cells.

Definition



Chemical Energy

A thin metal wire that melts when the electric current gets too big.

Definition



Fuse

Stores chemical energy. Made of two or more cells.

Definition



Battery

Measures electric current (I).

Definition



Ammeter

Makes it difficult for the electric current to flow. Measured in Ohms.

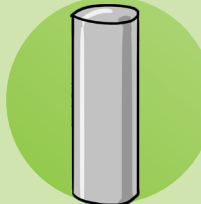
Definition



Resistance

Good conductors of electricity.

Definition



Metals

Transforms electrical energy into kinetic (movement) energy.

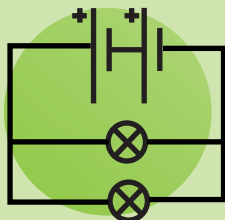
Definition



Motor

Electrical circuit made with two or more loops. Each loop is a complete circuit.

Definition



Parallel Circuit

How much energy electrons in the circuits gain or lose across components.

Definition



Voltage

Measures voltage (V).

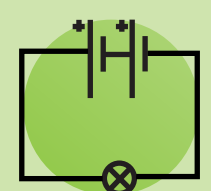
Definition



Voltmeter

An electrical circuit with components placed one after the other.

Definition



Series Circuit

When upthrust (in water) is the same as downforce (gravity), then an object will do this.

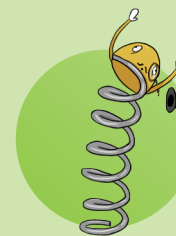
Definition



Float

The point at which an elastic body will not return to its original shape.

Definition



Elastic Limit

A substance that will stretch and then return to its original shape.

Definition



Elastic Body

The speed achieved when forces are balanced.

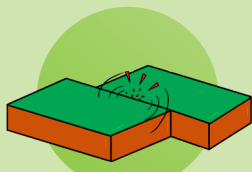
Definition



Constant Speed

Caused when two surfaces rub together.

Definition



Friction

The invisible force of a large body pulling a smaller body towards it.

Definition



Gravitational Force

How heavy an object is for its size. Measured in g/cm^3 .

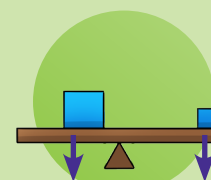
Definition



Density

The sum of the clockwise moments equals the sum of the anticlockwise moments.

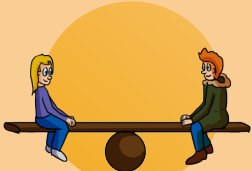
Definition



Law of Moments

When two opposing forces are the same.

Definition



Balanced Forces

Mass stays the same on all planets but this measurement changes from planet to planet.

Definition



Weight

The measurement of force (N).

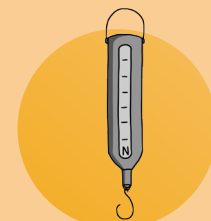
Definition



Newton

Equipment used to measure force.

Definition



Newton Meter

Invisible force exerted on everything (N/m^2).

Definition



Pressure

The speed at which a falling object no longer gets faster.

Definition



Terminal Velocity

Shaped to reduce air resistance.

Definition



Streamlined

Distance moved in each second (m/s).

Definition



Speed

The amount of material. Measured in g or kg.

Definition



Mass

Two ends of a magnet. One end will be north seeking and the other south seeking.

Definition



Poles

The unit of energy.

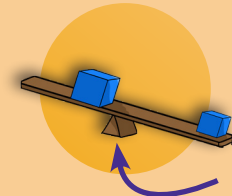
Definition

J

Joule

The point around which something turns.

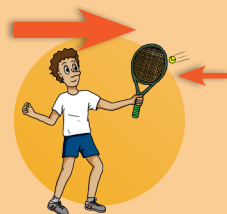
Definition



Pivot

These act in pairs in opposite directions.

Definition



Forces

An increase in speed.

Definition



Acceleration

A decrease in speed.

Definition



Deceleration

To spin on its axis.

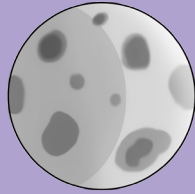
Definition



Rotate

This orbits a planet. Our moon is one!

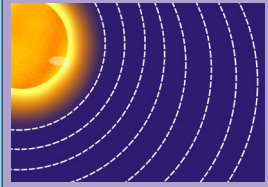
Definition



Satellite

Consists of a sun, planets, dwarf planets, comets, asteroids and satellites.

Definition



Solar System

A huge ball of gas that gives out light. Our Sun is one!

Definition



Star

All of time, space and its contents.

Definition



Universe

Oval or egg-shaped.

Definition



Elliptical

The galaxy that contains our Solar System.

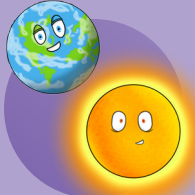
Definition



The Milky Way

The path of a planet around the Sun, or a satellite around a planet.

Definition



Orbit

The planet closest to the Sun in our Solar System.

Definition



Mercury

A group of a million stars.

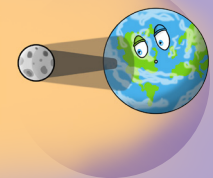
Definition



Galaxy

When the moon casts a shadow on the Earth.

Definition



Solar Eclipse

Orbits the Sun. There are 8 in our Solar System.

Definition



Planet

Small, rocky masses orbiting the Sun.

Definition



Asteroids

Something that gives out light.

Definition



Luminous

The invisible centre line around which a planet rotates.

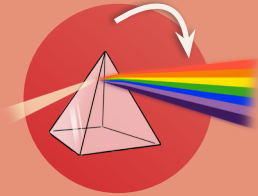
Definition



Axis

The display formed when white light splits into its rainbow of colours.

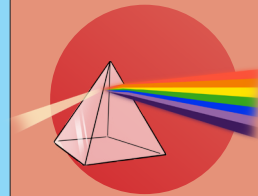
Definition



Continuous Spectrum

The splitting of white light into its colours.

Definition



Dispersion

Electromagnetic waves given off by a luminous source.

Definition



Light Rays

Material that you cannot see through.

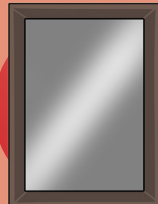
Definition



Opaque

A mirror with a flat surface.

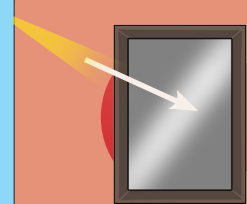
Definition



Plane Mirror

Light rays hit a mirror at this angle.

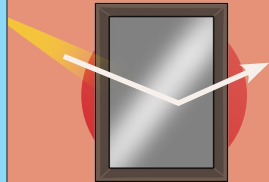
Definition



Angle of Incidence

Light rays bounce away from a mirror at this angle.

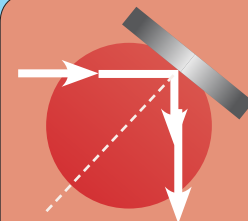
Definition



Angle of Reflection

An imaginary line 90° to the mirror used for measuring angles.

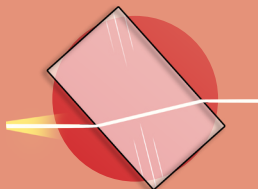
Definition



Normal

The bending of light as it goes through different material.

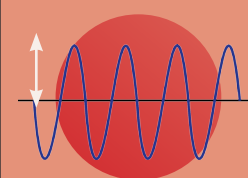
Definition



Refraction

The size of a vibration.

Definition



Amplitude

Uses sound pulses to measure the distance to an object.

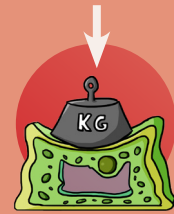
Definition



Sonar

To squeeze particles together.

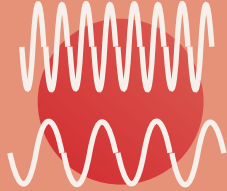
Definition



Compress

A measure of how many times per second something vibrates.

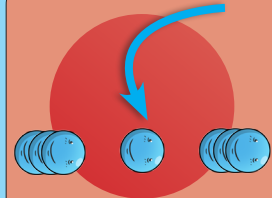
Definition



Frequency

The part of a sound wave where the particles are furthest apart.

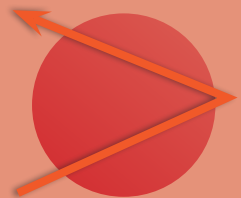
Definition



Rarefaction

When light or sound are thrown or bent back from a surface.

Definition



Reflected