

PAIRS GAME

ANSWER SHEET Chemistry

A chemical with a pH value of 8 or more.

Definition



Alkali

An acid made from sulphur, oxygen and hydrogen.

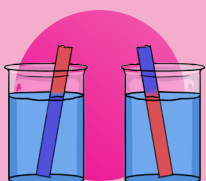
Definition



Sulfuric Acid

Red and blue paper used to tell if a substance is an acid or alkali.

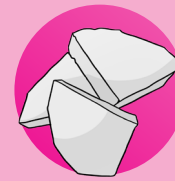
Definition



Litmus

Very reactive metal element. Half of the atoms found in common salt (NaCl).

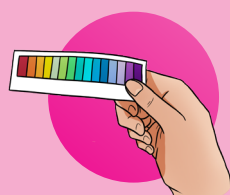
Definition



Sodium (Na)

Used to measure how acidic and alkaline a substance is.

Definition



pH Scale

A chemical with a pH value of 7 (like pure water).

Definition



Neutral

Shows whether something is an acid or alkali.

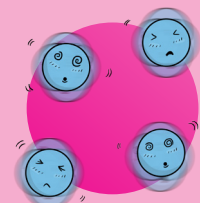
Definition



Universal Indicator

Randomly arranged, moving around, filling the space.

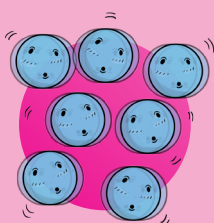
Definition



Gas Particles

Close together, randomly arranged, flowing from one place to another.

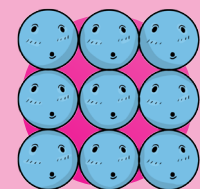
Definition



Liquid Particles

Regular pattern, close together, cannot be squashed.

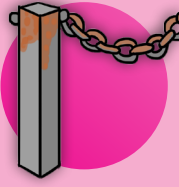
Definition



Solid Particles

Hydrated Iron
(III) Oxide.

Definition



Rust

A very strong
alkali.

Definition



Caustic

A chemical
with a pH value
of 6 or less.

Definition



Acid

To do with heat.

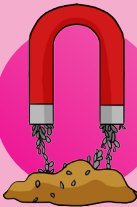
Definition



Thermal

Able to be picked
up by a magnet.
Iron, nickel and
cobalt are this.

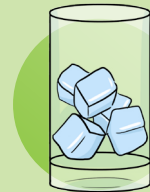
Definition



Magnetic

Usually 0°C.
This can be
lowered by
adding salt.

Definition



Freezing Point

Substance used
to lower the
freezing point
of water.

Definition



Salt

Substance used
in thermometers
because it
expands fast
when heated.

Definition



Mercury

Usually 100°C.

Definition



Boiling Point

A physical
change when
a liquid turns
into a gas.

Definition



Evaporate

A physical change
when a substance
turns from a gas
to a solid or from
a solid to a gas.

Definition



Sublimation

One molecule
of water.

Definition



H₂O

A sound that metal objects make when they are hit.

Definition



Ring

A substance made of 2 or more elements or compounds.

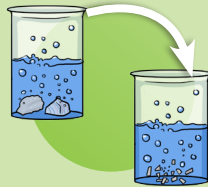
Definition



Impure Substance

When a compound is broken down during a chemical reaction.

Definition



Decomposing Reaction

Made from 1 type of atom. There are about 100 of these listed in the Periodic Table.

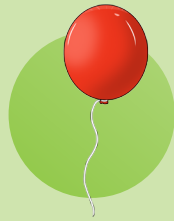
Definition



Element

A very light element with just 2 neutrons.

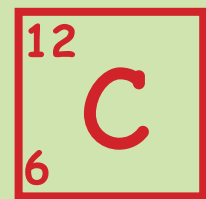
Definition



Helium

The number of protons and neutrons in one atom.

Definition



Atomic Mass

A white metal element used to coat (galvanize) steel.

Definition



Zinc

A type of glass tube used to hold chemicals.

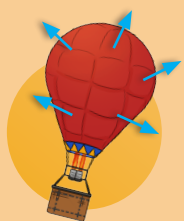
Definition



Test Tube

An increase in length, area or volume.

Definition



Expansion

To take in something, e.g. heat, liquid or light.

Definition



Absorb

Something that can ignite (catch fire) easily.

Definition



Flammable

Burning.

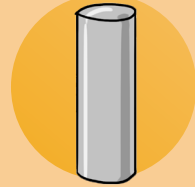
Definition



Combustion

A material that heat moves through quickly.

Definition



Conductor

A material through which heat moves slowly.

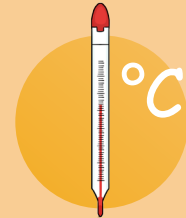
Definition



Insulator

A common temperature scale based on the freezing and boiling points of water.

Definition



Celsius

How heat energy reaches the Earth from the Sun.

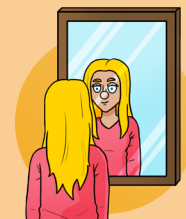
Definition



Radiation

To bounce sound or light from a surface, e.g. a mirror.

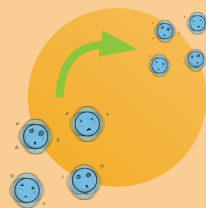
Definition



Reflect

To move from place to place.

Definition



Transfer

Nothing at all. This is found in space between the Sun and the Earth.

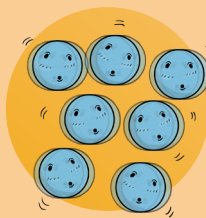
Definition



Vacuum

A tiny piece of a substance.

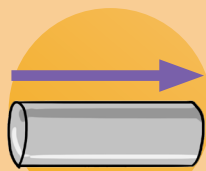
Definition



Particle

How heat energy moves through a metal bar.

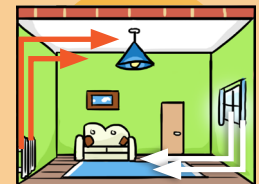
Definition



Conduction

How heat energy moves from the bottom to the top of a room or an ocean.

Definition



Convection

A physical change when heat changes a solid to a liquid.

Definition



Melt

Created by Dimitri Mendeleev. It lists around 100 elements.

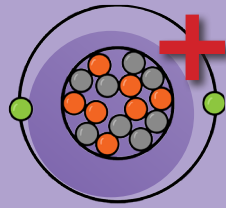
Definition



Periodic Table

Contained in the nucleus of an atom. Positively charged.

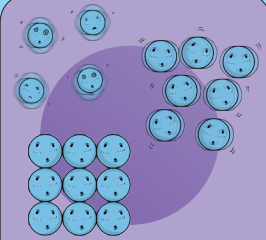
Definition



Proton

How particles are positioned in each of the States of Matter.

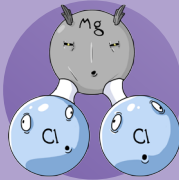
Definition



Particle Theory

2 or more atoms bonding together through a chemical reaction.

Definition



Molecule

2 or more substances mixed together with no chemical reaction taking place.

Definition



Mixture

Substance at the beginning of a chemical reaction before the reaction has taken place.

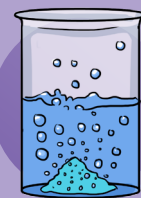
Definition



Reactant

When new chemical products are formed from chemical reactants.

Definition



Reaction

A chemical that will easily react to form a new compound.

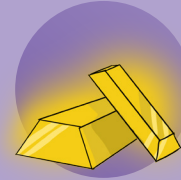
Definition



Reactive

Made of just 1 type of element or compound.

Definition



Pure Substance

Basic states are solid, liquid and gas.

Definition



States of Matter

The substance/s produced by a chemical reaction.

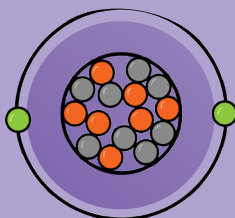
Definition



Product

Contained in the nucleus of an atom. No charge but does have a mass (g).

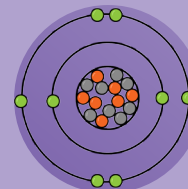
Definition



Neutron

The smallest part of an element.

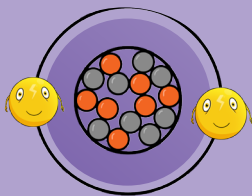
Definition



Atom

Surround the nucleus.
Negatively charged.

Definition



Electrons

A physical change when a liquid becomes a solid.

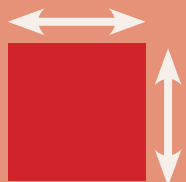
Definition



Freeze

Width x Length.
Measured in cm^2 or m^2 .

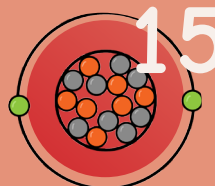
Definition



Area

The number of protons in 1 atom.

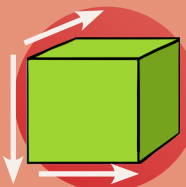
Definition



Atomic Number

The amount of matter in a certain volume of a substance.
Measured in g/cm^3 .

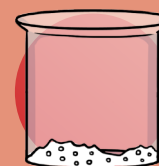
Definition



Density

This is made when 2 or more elements combine in a chemical reaction.

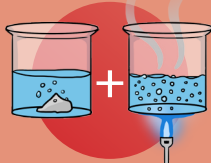
Definition



Compound

When a chemical reaction makes a compound.

Definition



Combining Reaction

Squashed.

Definition



Compress

Acid found in citrus fruits like lemons and oranges.

Definition



Citric Acid

Symbol for a very reactive substance that damages living things.

Definition



Corrosive

Any substance used or made by a reaction.

Definition



Chemical

Alkaline chemical that removes colour or stains.

Definition



Bleach

Symbol for danger.

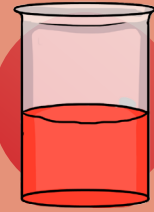
Definition



Hazard

Lots of molecules per litre of solvent (a strong solution).

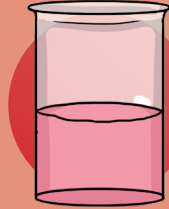
Definition



Concentration

A small number of molecules per litre of solvent (a weak solution).

Definition



Dilute

Symbol for a substance that can easily be set on fire.

Definition



Flammable

Strong acid found in the stomach.

Definition



Hydrochloric Acid