

precipitate

Definition – a solid that forms out of solutions

Characteristics – mixing of two clear solutions and a solid is formed

Example – crystallize

Picture -

rotting

Definition – Deteriorating, disintegrating, falling, or becoming weak due to *decay*

Characteristics – *Decay* is the breaking down or rotting of organic matter through the action of bacteria, fungi, or other organisms; decomposition

Example – decomposition

Picture -

Chemical change

Definition – substances that are changed into new substances with different properties

Characteristics – Burn paper, you get ash, gas, and smoke – it is no longer paper, this change cannot be easily undone, you cannot “unburn” paper!

Example – burned paper

Picture -

Chemical property

Definition – the ability of a substance to change into a new substance with different properties

Characteristics – leaving metal outdoors where it can get wet, causes it to rust; iron combines with oxygen in the air to form rust. Rust is different from iron, rust is a new substance

Example – changing identity

Picture -

combustion

Definition – When substances combine with oxygen and release energy.

Characteristics – also known as burning

Example – fire

Picture -

corrosiveness

Definition – A substance having the capability or tendency to cause slow destruction.

Characteristics – commonly known as rusting, mainly oxidation or reaction of a metal with oxygen

Example – erosion

Picture -

flammability

Definition – the ability to easily catch on fire

Characteristics –for something to catch fire or explode, there has to be the right mix of heat, fuel and oxygen

Example – ignite

Picture -

rusting

Definition – Any film or coating on metal caused by oxidation.

Characteristics – The chemical combination of a substance with oxygen.

Example – deteriorate

Picture -

Property

Definition – characteristic of a material that helps to identify or classify matter

Characteristics – each type of matter has its own set of properties

Example – attribute

Picture -

State of matter

Definition – the form matter can take

Characteristics – solids, liquids and gases;
also known as phases of matter

Example – condition of matter

Picture -

Chemical reaction

Definition – changes that takes place when one or more substances interact to form new substances

Characteristics – chemical reactions rearrange elements in the compounds

Example – transformation

Picture -