

Physical and chemical properties are used to identify, describe, and classify matter.

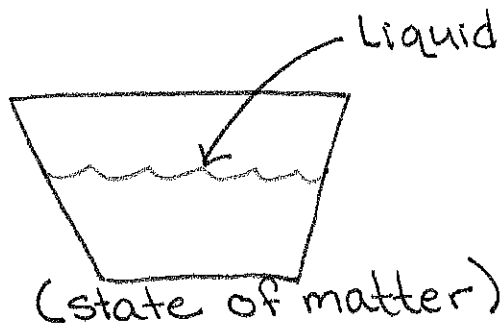
Define Physical Properties

A characteristic of a substance that can be observed without changing the substance into something else.
* Identify by using your Senses

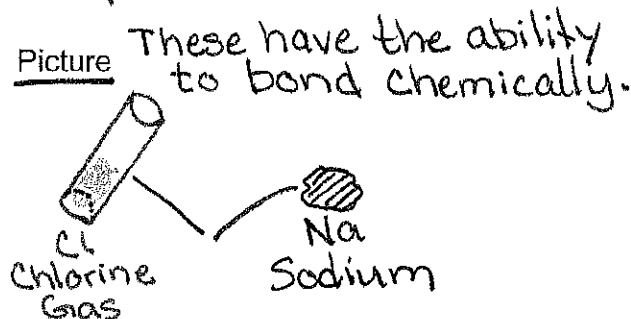
Define Chemical Properties

A characteristic that is observed when a substance interacts with another substance
* Has the ability to ...
* Cannot be observed unless another substance is present

Picture



Picture



Have the ability to form a compound.
NaCl - Sodium chloride

Examples 3

- Hardness
- Texture
- Color
- Melting/Boiling Point
- Luster
- Cleavage
- Magnetic attraction
- Malleability
- Volume
- Mass
- Density, shape

Examples 3

- Flammability (ability to burn)
- Ability to rust
- Ability to tarnish
- Ability to react to air or water
- Ability to explode
- Ability to form compounds
- Ability to react with acids
- Number of electrons in outer energy level.