

Density- The amount of matter (mass) per unit of volume of a substance.

Lead is denser than feathers or some may say lead is heavier than feathers.

For example: Density of water is 1.0 g/cm^3 .



Chemical Properties

In nature, substances combine or react with each other.

When one substance can interact with another, that characteristic behaviour can be called a chemical property. (The ability to react is known as a chemical property)

For example, dynamite explodes because it combines with oxygen. The reaction produces new substances.



Chemical Properties

Combustibility- The ability of a substance to react rapidly with oxygen and release heat and light energy.

Gasoline is **combustible** or **flammable**.

Water is **nonflammable**.



Chemical Properties

Reaction with an acid- The ability of a substance to react with acid and produce gas.

Magnesium metal reacts with acid to produce gas bubbles.

Gold does not react with acid.

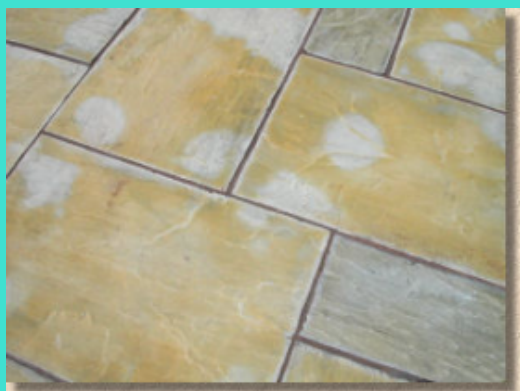


Combustibility



Cool Fact: Beaumont, Texas, the "Home of the World's Largest Fire Hydrant" erected a 24 foot fire hydrant to promote the re-release of the 101 Dalmations. The hydrant weighs 4500 lbs and could blast 1500 gallons of water a minute.

Reaction with Acid



Cool Fact: The strongest acid in the world is a million times stronger than concentrated sulfuric acid and about a billion times stronger than the acids found in your stomach. It is called a superacid.



Name That Property!!
Quiz

Take out a piece of paper

There will be 20 questions