

Properties of Matter Vocabulary

Physical Properties

Characteristics that can be observed without changing the identity of the substance.

Chemical Properties

Characteristics that describe how substances can form new substances.

What do we use properties of matter for?

Physical and Chemical Properties

Elements, substances, and compounds have both physical and chemical properties. **Physical properties** are those that can be described using the senses and can be determined without destroying the object. Color, mass, density, and odor are examples of physical properties. **Chemical properties** describe how a substance reacts with another substance and the original is changed into something else. Classify each term in the word box as a physical or chemical property.

reacts with base to form water	density	flammability	
supports combustion	taste	melting point	hardness
boiling point	neutralizes a base	luster	odor
neutralizes an acid	reacts with an acid	reacts to oxygen	
reacts with water to form gas	color		

Physical Property	Chemical Property