

## Physical vs. Chemical Properties

### Physical Properties

Physical properties of shape and volume can be applied to all three states of matter, using the terms definite (unchanging) and **indefinite** (changing).

	Solid	Liquid	Gas
Shape	Definite	Indefinite (Takes shape of container)	Indefinite (takes shape of container)
Volume	Definite	Definite	Indefinite (fills the entire container)

### Chemical Properties

Chemical Properties describe the behaviour of a substance when it interacts with another substance and becomes a new substance.

These properties are determined by reacting a substance with other substances.

Property	Definition & Example
Combustibility	<ul style="list-style-type: none"><li>• How easily a substance burns</li><li>• Propane gas is very combustible, water is not</li></ul>
Reaction with acid	<ul style="list-style-type: none"><li>• The ability of a substance to react with an acid</li><li>• Zinc bubbles when exposed to acid</li></ul>