Physical Properties

* Is the substance still the same substance?
* Does measuring properties change the identity of a substance?
	+ Mass and Volume
	+ You can change shape and volume but is the substance that you are observing still the same?
* Mass
* Volume
* Density
	+ How do you solve for density?

What is a Physical Change?

* A change in any physical property of a substance, not in the substance itself
* Remember to ask yourself what has changed about the substance?

Chemical Properties

* Describe how substances form new substances
	+ Combustibility
	+ Rust
* Are there any other examples that you can think of that are chemical changes?
	+ Think of statues, buildings, or other things you may have seen.

Chemical Change

* Help identify chemical properties
* Change of one substance into another substance
* Affects the substances involved in the change
* Combinations of atoms in the original substances are rearranged to make new substances
* Only true indication of chemical change is that a new substance has formed.
	+ Examples
		- Burning
		- Rusting
		- Tarnishing
		- Cooking
		- Raw egg gets changed into new substances as energy is added
		- Digestion
* Signs of a Chemical Change
	+ Production of an Odor
	+ Change in Temperature
	+ Change in Color
	+ Formation of Bubbles
	+ Formation of a Solid