**Matter**

Pure Substance

* An element is a substance in which all atoms have the same identity
* A compound is a substance that has two or more elements combined in a fixed proportion

Mixtures

* Heterogeneous mixtures are mixtures in which different materials can be distinguished easily
* A homogenous mixture contains two or more gaseous, liquid or solid substances that are blended evenly throughout
* Mixtures can be heterogeneous, homogeneous, colloids or suspensions

Physical Properties and Changes

* You can observe physical properties without changing the identity of a substance
* Change in the size, shape, or state of matter is a physical change

Chemical Properties and Changes

* A chemical property is a characteristic of a substance that indicates whether it can undergo a certain chemical change
* A change on one substance to another is a chemical change