

5) Melting and Boiling Points

[Boiling point and Melting point-Physical Properties - YouTube](#)

melting point = the temperature a substance changes from a solid to a liquid

boiling point = the temperature a substance changes from liquid to a gas



Does anyone know the melting point or boiling point of water?



Crystal form (another form of a solid)
A solid mineral structure with a regular pattern of 3-D shapes. Salt crystals are cubic, plastic has no crystal form



Recall
Solubility- The ability to dissolve in a solvent such as water. Salt is **soluble** in water, pepper/copper are **insoluble** in water.

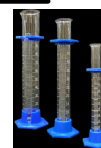
Quantitative physical property is something that can be **measures with an instrument of some kind.**

Some Quantitative Physical properties are:

Volume – **The amount of space occupied by a substance**



- **Volume of liquids can be measured using measuring cups, graduated cylinders.**



- **Volume of gases can be determined by measuring volume of the containers that hold them**

Temperature is a physical quantity that expresses the degree of hotness or coldness of a substance and the internal energy given off by a substance. Measures with a thermometer.



Mass – **The amount of matter in a substance**

- **Measured in kilograms (Kg) or grams (g)**



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 .

