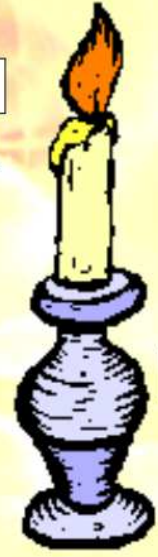


Changing Materials

There are 3 states: **solid, liquid or gas**. Some materials can change between these states. For water:

- Solid → Liquid =
- Liquid → Gas =
- Gas → Liquid =
- Liquid → Solid =



change: when materials can change state, then back again, for example, candle wax.

change: when materials can change state, but cannot change back, for example, burning wood.

is often the cause of changing state.

Different materials have different temperatures when they turn from solids to liquids, to gases, and back.

The candle wax is as it can change between solid and liquid depending on the heat. The wick (string) is as when it burns, it cannot change back.



Reversible

freeze

Heat

Liquid to Gas

Solid to Liquid

reversible

evaporate

melt

irreversible

condense

Gas to Liquid

Irreversible

Liquid to Solid