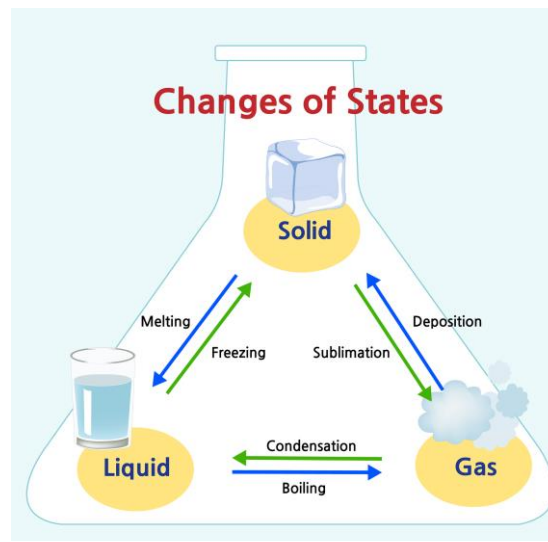
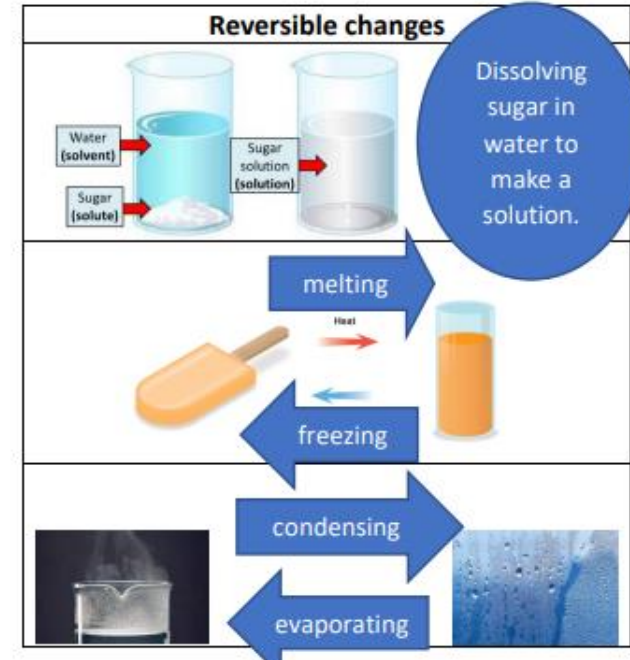
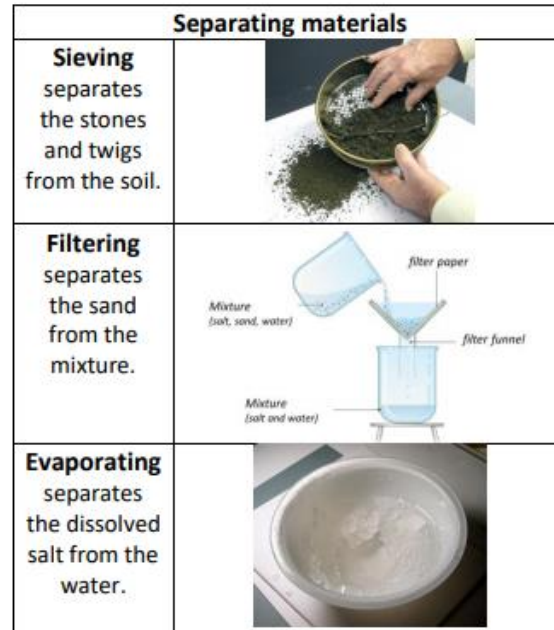




KEY INFORMATION AND FACTS

KEY VOCABULARY

thermal insulator Does not allow heat to pass through it easily..
thermal conductor Allows heat to pass through it easily
electrical insulator Does not allow electricity to pass through it.
electrical conductor Allows electricity to pass through it.
dissolve A solid that completely mixes in with a liquid and cannot be seen.
solution A mixture of a liquid with a dissolved solid or gas.
soluble Solids and gases that dissolve in liquids.
insoluble Solids that do not dissolve in a liquid.
sieve Separates solids of different sizes.
filter Separates an insoluble solid that is mixed in a liquid.
evaporation Separates a soluble solid and a liquid.
reversible change Changes that can be switched back and are not permanent. E.g. dissolving, melting, freezing
nonreversible change Changes that can not be reversed back to their original state. E.g. burning, rusting



Non-reversible changes - these result in the formation of new materials

Burning	
Mixing vinegar and bicarbonate of soda	
Rusting	