Cheatography

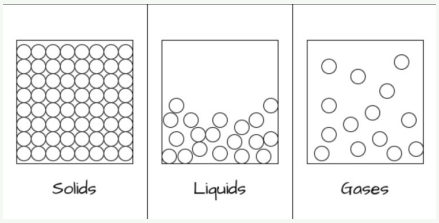
IGCSE 0620 Chemistry Theory Paper Cheat Sheet

by ashassin705 via cheatography.com/211823/cs/45983/

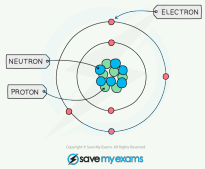
States of Matter - characteristics of states

Characteristic	Solids	Liquids	Gases
Shape	Fixed	Variable	Variable
Volume	Fixed	Fixed	Variable
Compressibility	Not compressible	Very little	Compressible

States of Matter - arrangement of particles



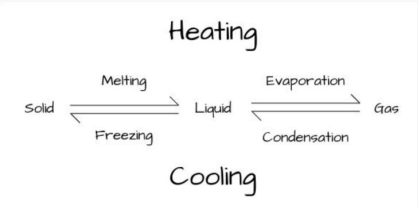
Atomic structure



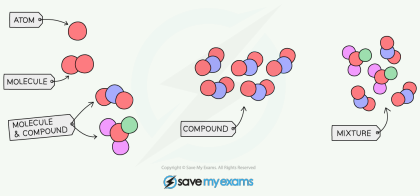
Mixtures and Compounds

Mixtures	Compounds
Contains 2+ substances	Contains 1 substance
Variable compos-ition	Fixed composition
Formation involves chemical change	Formation involves physical change
Properties of component elements	Properties differ from component elements
Easy separation by physical means	Can only be separated chemically

States of Matter - changes in state



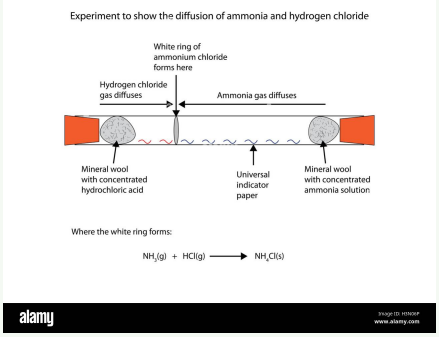
Elements, compounds and mixtures



Subatomic particles

Particle	Relative mass	Relative charge
Proton	1	+1
Neutron	1	0
Electron	0	-1

Diffusion of NH3 and HCl



HCl has a molecular mass of 36.5
NH3 has a molecular mass of 17
Since the mass of NH3 is less than that of HCl, NH3 diffuses faster.

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