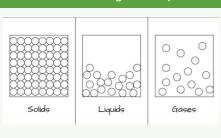
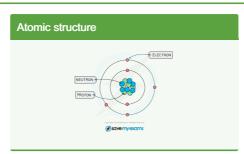


IGCSE 0620 Chemistry Theory Paper Cheat Sheet by ashassin705 via cheatography.com/211823/cs/45983/

| 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

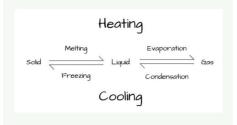




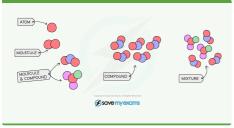
Mixtures and Compounds

| wixtures and Compounds | | | | |
|------------------------------------|---|--|--|--|
| Mixtures | Compounds | | | |
| Contains 2+ substances | Contains 1 substance | | | |
| Variable composition | 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 |

Experiment to show the diffusion of ammonia and hydrogen chloride White ring of ammonia molaride forms here Hydrogen chloride forms here Hydrogen chloride gas diffuses Ammonia gas diffuses Where the white ring forms: NH, (g) + HCl(g) NH, Cl(s)

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.



By ashassin705

cheatography.com/ashassin705/

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