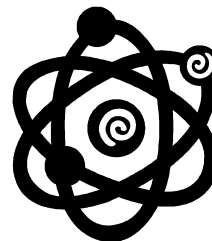


Year 10 chemistry revision list 2006



- Atomic structure
 - Mass number, atomic number
 - Protons, neutrons and electrons
 - Isotopes
- Bonding
 - Ionic - charges, transfer of electrons, common ions
 - Covalent - shared pairs of electrons
 - Metallic - metal ions in a sea of delocalised electrons
- Structures
 - How properties (melting point, electrical conductivity etc) and structures are related
- Equations
 - Writing correct formulae
 - Writing balanced symbol equations
- Reactivity series
 - Displacement reactions
 - Reduction / oxidation - OILRIG
- Acids
 - Reactions of acids - neutralisation, with metals, metal oxides etc
- Calculations
 - Empirical formulae
 - Reacting mass calculations
- Periodic table
 - Arrangement of elements
 - Trends in groups
 - Properties, uses and reactivity of
 - Group 1
 - Group 7
 - Group 8
 - Transition metals
- Electrolysis
 - Molten compound
 - Solutions with graphite electrodes
 - Solutions with metal electrodes - e.g. purification of copper
- Chemical tests
 - Oxygen
 - Hydrogen
 - Carbon dioxide
 - Water
- Appearances of common substances
 - Copper sulphate, carbonate and oxide
 - Sodium chloride
 - Chlorine, bromine and iodine
 - Flame colours of compounds of
 - Potassium (lilac)
 - Sodium (yellow)

