

Assessment = ★

Assessment & Review



Apply:  
CC13 Groups in the periodic table

Revision lesson

Focus on retrieval, key word definitions and equations.

Electronic Configuration

- 1<sup>st</sup> shell- max 2 electrons
- 2<sup>nd</sup> shell- max 8 electrons
- 3<sup>rd</sup> shell- max 8 electrons
- 4<sup>th</sup> shell- max 18 electrons

TIP: Always put your electrons on in the order North, East, South, West\* to avoid later confusion!



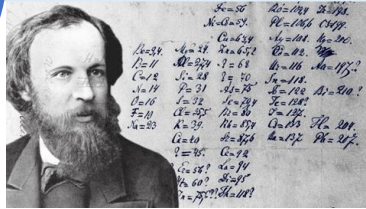
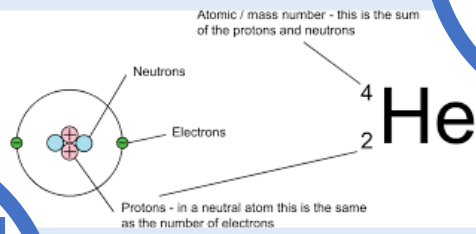
Electronic configurations

Electron shells, configurations and the link to the periodic table

Periodic Table of the Elements

Atomic number & the periodic table

The modern periodic table compared to Mendeleev's table

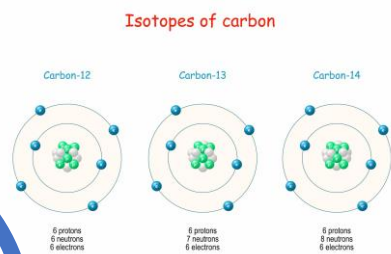


Elements & the periodic table

Mendeleev's table

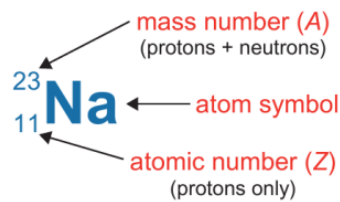
Isotopes

Examples of isotopes, Higher – calculating relative atomic mass



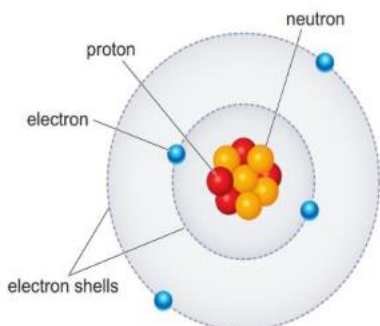
Atomic number, mass number

Mass mainly in nucleus, calculating Protons/neutrons/ electrons



Structure of an atom

Model of the atom, sub-atomic particles



Retrieve:  
C1 1.1 The particle model  
C2 1 The periodic table  
CC2 States of matter

**Keywords**

Atoms, element, subatomic particle, proton, neutron, electron, nucleus, electron shell, atomic number, mass number, isotopes, relative atomic mass, periodic table, properties, period, group, electronic configuration.