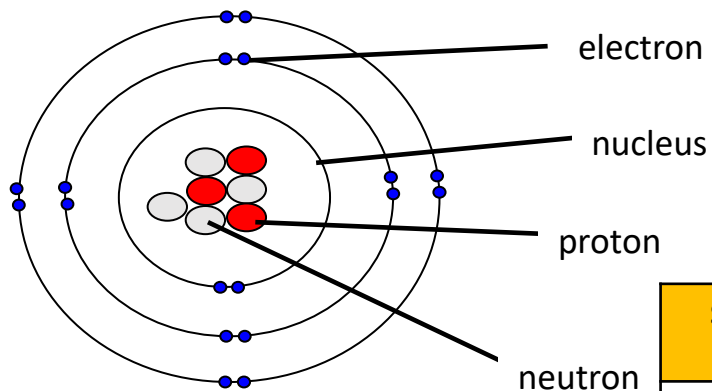


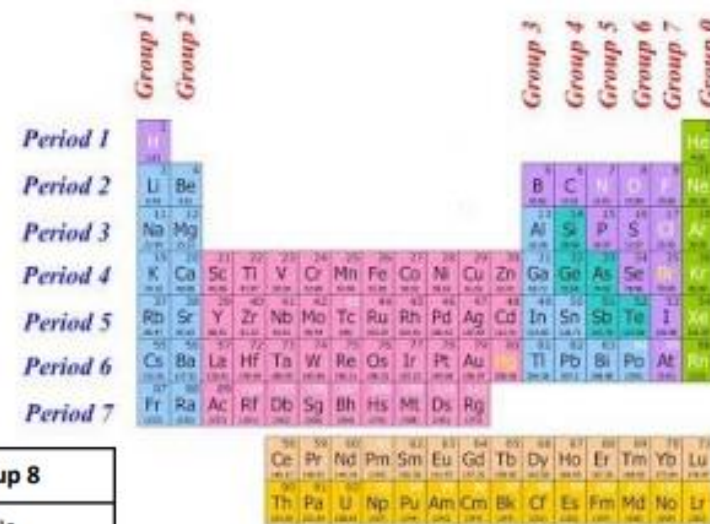
Atoms knowledge organiser



Atoms are the building blocks of all substances. They are made up of sub-atomic particles called **protons, electrons and neutrons.**

Sub-atomic particle	Charge	Relative mass
Proton	Positive (+1)	1
Electron	Negative (-1)	0.0005
Neutron	Neutral (0)	1

Key word	Definition
Atom	Smallest particle of an element
Electron	Negatively charged subatomic particle
Neutron	Neutral subatomic particle
Nucleus	Central part of an atom, the nucleus containing neutrons and protons
Proton	Positively charged subatomic particle
Shell	Orbit followed by electrons
Element	A substance made of one type of atoms
Compound	A substance made of two or more types of atoms



Group 1	Group 2	Group 3	Group 4	Group 5	Group 6	Group 7	Group 8
Lithium - Li Sodium - Na Potassium - K	Beryllium - Be Magnesium - Mg Calcium - Ca	Boron - B Aluminium - Al Gallium - Ga	Carbon - C Silicon - Si Germanium - Ge	Nitrogen - N Phosphorus - P Arsenic - As	Oxygen - O Sulfur - S Selenium - S	Fluorine - F Chlorine - Cl Bromine - Br	Helium - He Neon - Ne Argon - Ar