

C2.1 How have our ideas about atoms developed over time?

atom

magnitude

negative

nucleus

Bohr

mass

neutron

periodic table

charge

positive

dalton

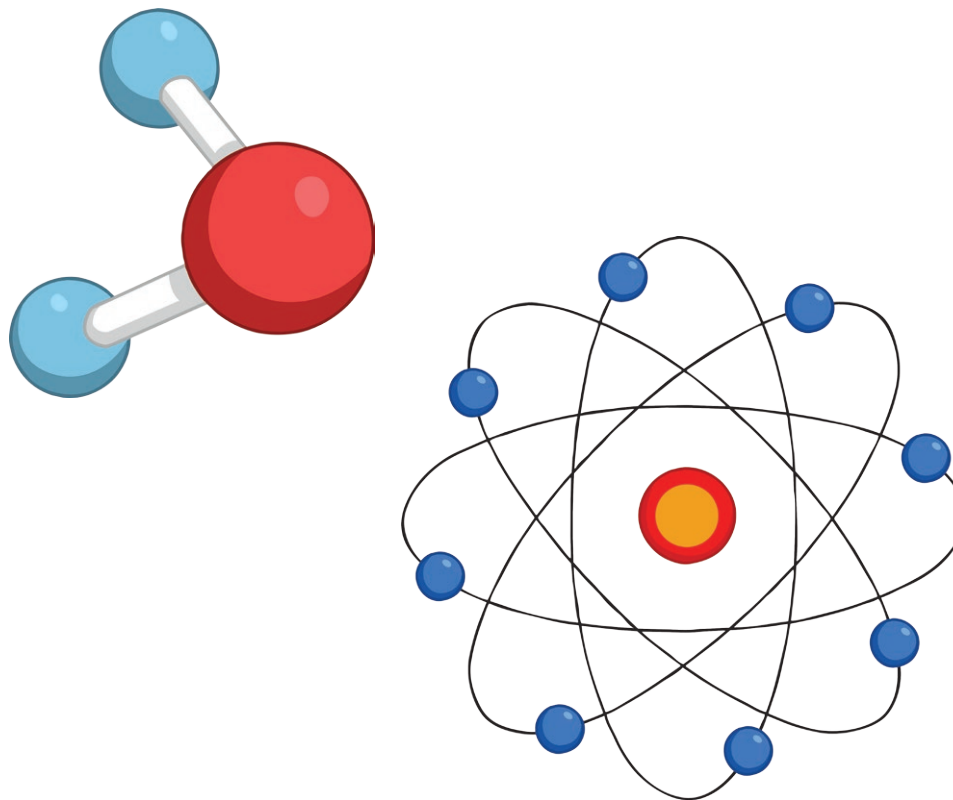
proton

electron

Rutherford

isotope

Thomson



C2.2 What does the Periodic Table tell us about elements?

alkaline earth metals

electrical conductivity

group 7

Mendeleev

atom

electron arrangement

halogens

metal

atomic number

element

mass number

non-metal

boiling point

group 1

melting point

periodic table

compound

reactivity

density

relative atomic mass

displacement

state

																		He					
Li lithium	Be beryllium																	B boron	C carbon	N nitrogen	O oxygen	F fluorine	Ne neon
Na sodium	Mg magnesium																	Al aluminium	Si silicon	P phosphorus	S sulfur	Cl chlorine	Ar argon
K potassium	Ca calcium	Sc scandium	Ti titanium	V vanadium	Cr chromium	Mn manganese	Fe iron	Co cobalt	Ni nickel	Cu copper	Zn zinc	Ga gallium	Ge germanium	As arsenic	Se selenium	Br bromine	Kr krypton						
Rb rubidium	Sr strontium	Y yttrium	Zr zirconium	Nb niobium	Mo molybdenum	Tc technetium	Ru ruthenium	Rh rhodium	Pd palladium	Ag silver	Cd cadmium	In indium	Sn tin	Sb antimony	Te tellurium	I iodine	Xe xenon						
Cs caesium	Ba barium	La lanthanum	Hf hafnium	Ta tantalum	W tungsten	Re rhenium	Os osmium	Ir iridium	Pt platinum	Au gold	Hg mercury	Tl thallium	Pb lead	Bi bismuth	Po polonium	At astatine	Rn radon						
Fr francium	Ra radium	Ac actinium	Rf rutherfordium	Db dubnium	Sg seaborgium	Bh bohrium	Hs hassium	Mt meitnerium	Ds darmstadtium	Rg roentgenium													

C2.3 How do metals and non-metals combine to form compounds?

atomic number

mass number

pressure

attraction

melting point

proton

boiling point

negative

reactivity

bonding

neutron

temperature

charged ion

noble gases

unreactive

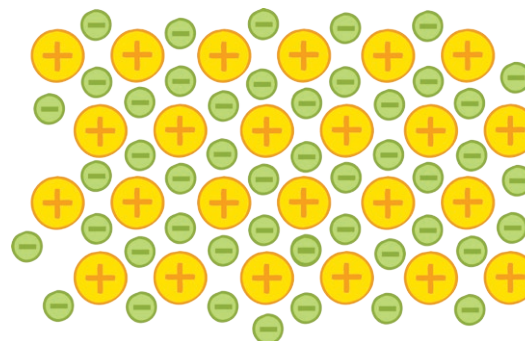
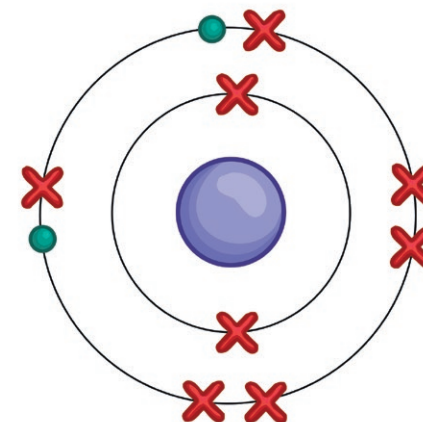
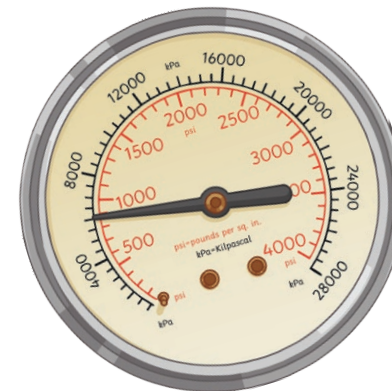
electron

positive

electrons

energy

group 0



C2.4 How are equations used to represent chemical reactions?

compound

group 1

halide

ionic

covalent

group 7

halogen

reaction

C2.5 What are the properties of transition metals?

catalyst

compound

gold

reactive

charge

copper

iron

silver

chromium

density

melting point

transition metal

coloured ion

unreactive

