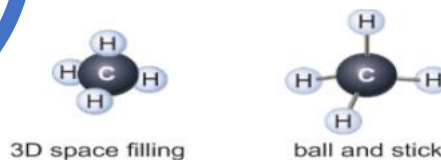
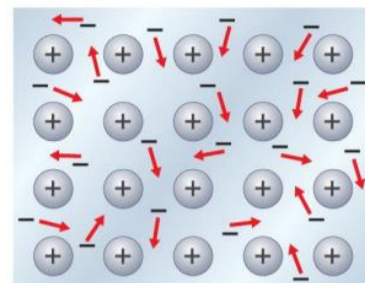


Assessment = ★

Assessment
&
Review



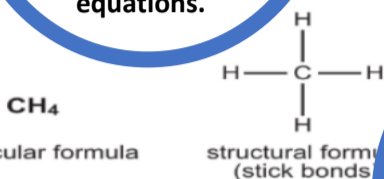
Apply:
CC8 Acids and alkalis
CC10 Electrolytic
processes
CC13 Groups in the
periodic table



B Metals consist of stacked layers of ions in a 'sea' of delocalised ('free') electrons.

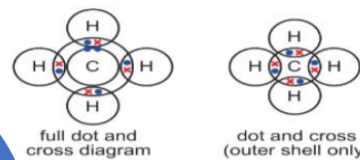
Revision
lesson

Focus on retrieval,
key word
definitions and
equations.



Bonding
models

Models used to describe
ionic, covalent and metallic
substances – a comparison
and evaluation

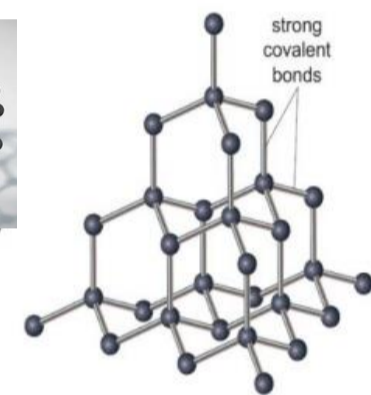
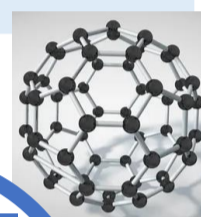


Properties of
metals

Physical properties
of metals, metallic
structure and
bonding

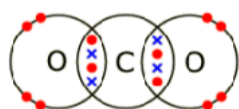
Allotropes of
Carbon

Fullerene,
graphene, diamond
and graphite



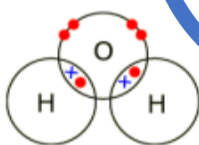
Molecular
Compounds

Properties of simple
and giant molecular
substances.



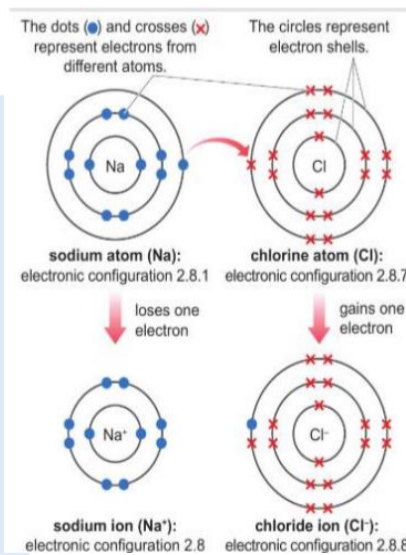
Covalent bonds

Molecules, dot and
cross diagrams



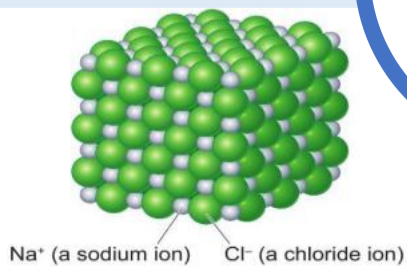
Properties of
ionic compounds

Properties of ionic
substances related to ionic
bond strength and the
movement of ions.



Ionic Lattices

Formulae of ionic
compounds, -ide and
-ate endings.



Ionic Bonds
(2 lessons)

How ions are formed and
calculating the number of
subatomic particles in ions
and ionic bonding.

Retrieve:
C1 2 Elements, atoms,
compounds
C2 1 The periodic
table
CC3 Atomic structure

Keywords

Bonds, ions, cations, anions, electrostatic forces, ionic bond, ionic compounds, lattice, crystals, polyatomic ions, formulae, anode, cathode, aqueous solution, electrical conductivity, molecule, covalent bond, molecular formula, intermolecular forces, polymers, monomers, allotropes, fullerenes, graphene, graphite, diamond, metallic bond, malleable, delocalised