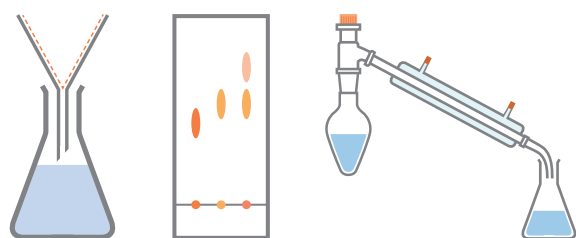


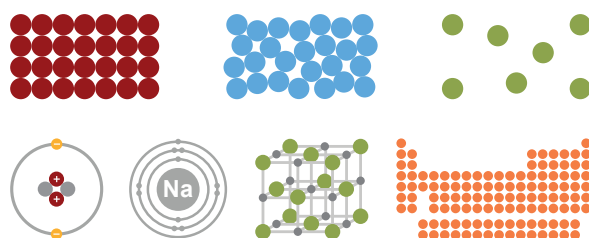
Cambridge IGCSE[®] Chemistry (0620)



1 Experimental techniques

Unit links

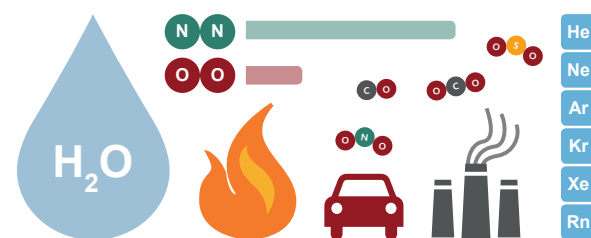
1 2 3 4 5 6
7 8 9 10 11 12



2 Particles, atomic structure, ionic bonding and the Periodic Table

Unit links

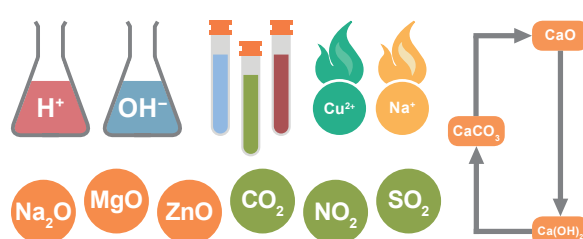
1 2 3 4 5 6
7 8 9 10 11 12



3 Air and water

Unit links

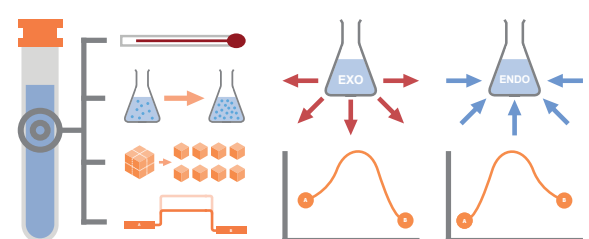
1 2 3 4 5 6
7 8 9 10 11 12



4 Acids, bases and salts

Unit links

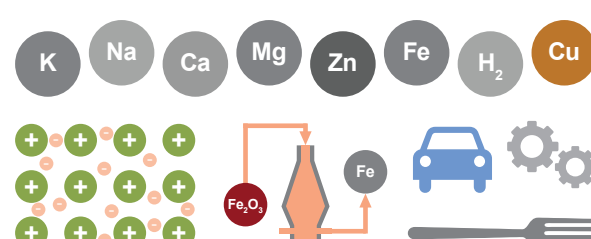
1 2 3 4 5 6
7 8 9 10 11 12



5 Reaction rates

Unit links

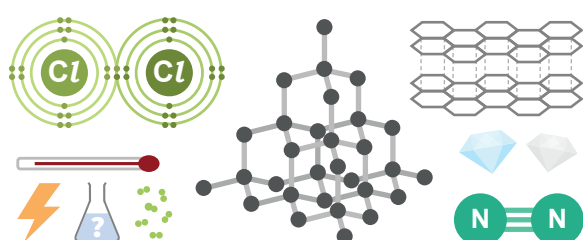
1 2 3 4 5 6
7 8 9 10 11 12



6 Metals and the reactivity series

Unit links

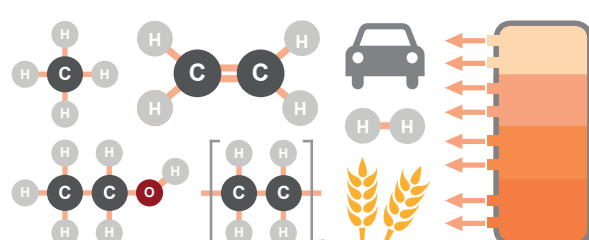
1 2 3 4 5 6
7 8 9 10 11 12



7 Covalent bonding

Unit links

1 2 3 4 5 6
7 8 9 10 11 12



8 Organic 1

Unit links

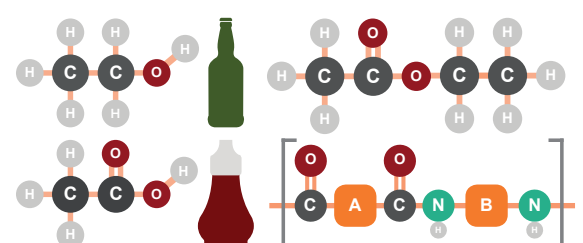
1 2 3 4 5 6
7 8 9 10 11 12



9 Amount of substance

Unit links

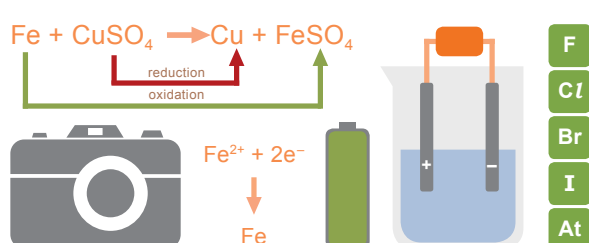
1 2 3 4 5 6
7 8 9 10 11 12



10 Organic 2

Unit links

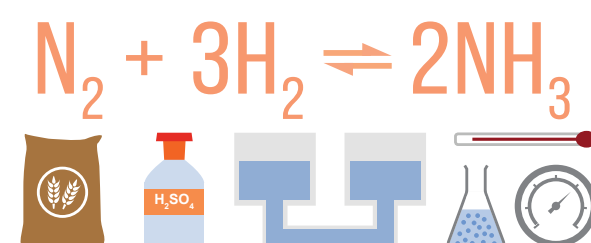
1 2 3 4 5 6
7 8 9 10 11 12



11 Redox, electrochemistry and Group VII

Unit links

1 2 3 4 5 6
7 8 9 10 11 12



12 Equilibria

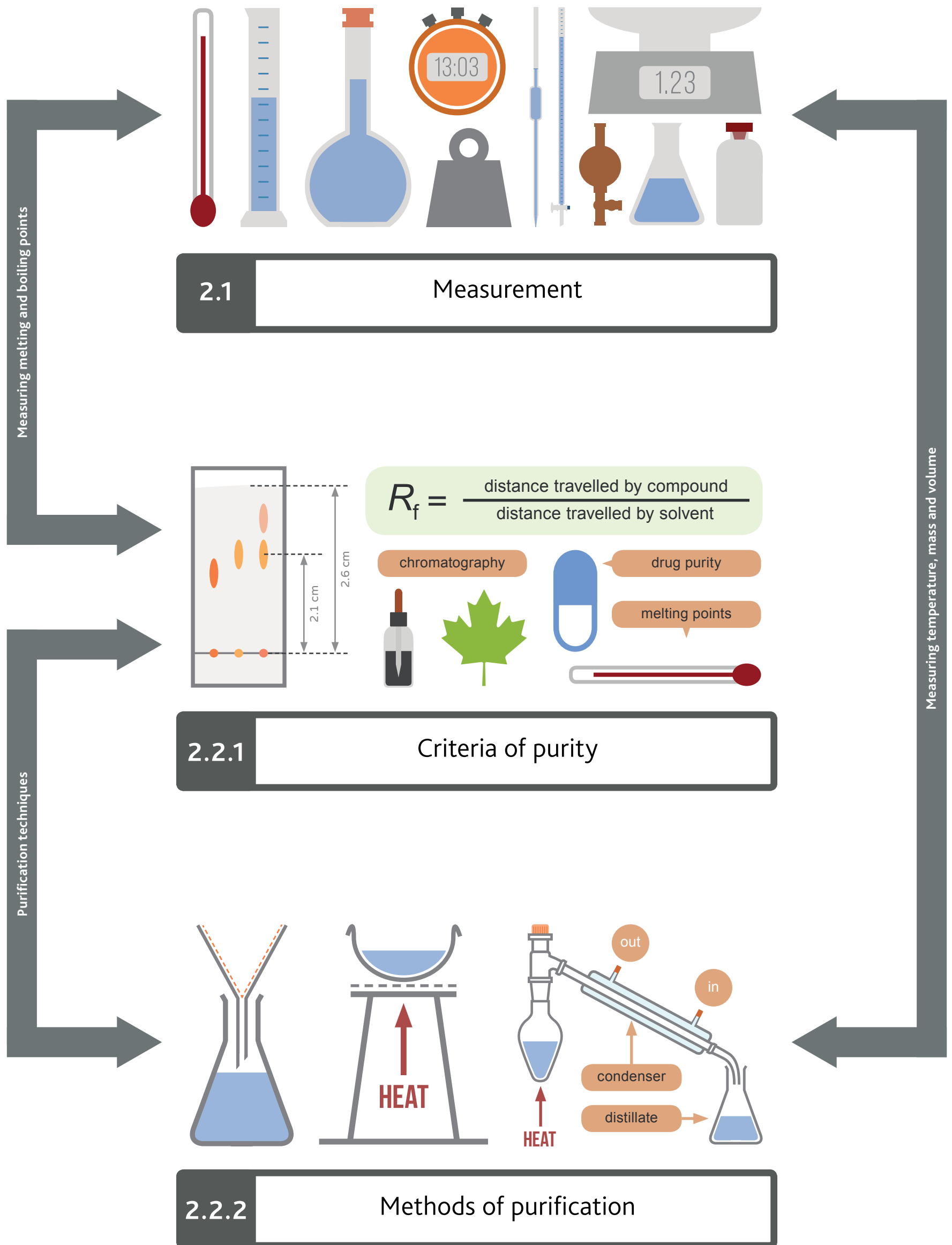
Unit links

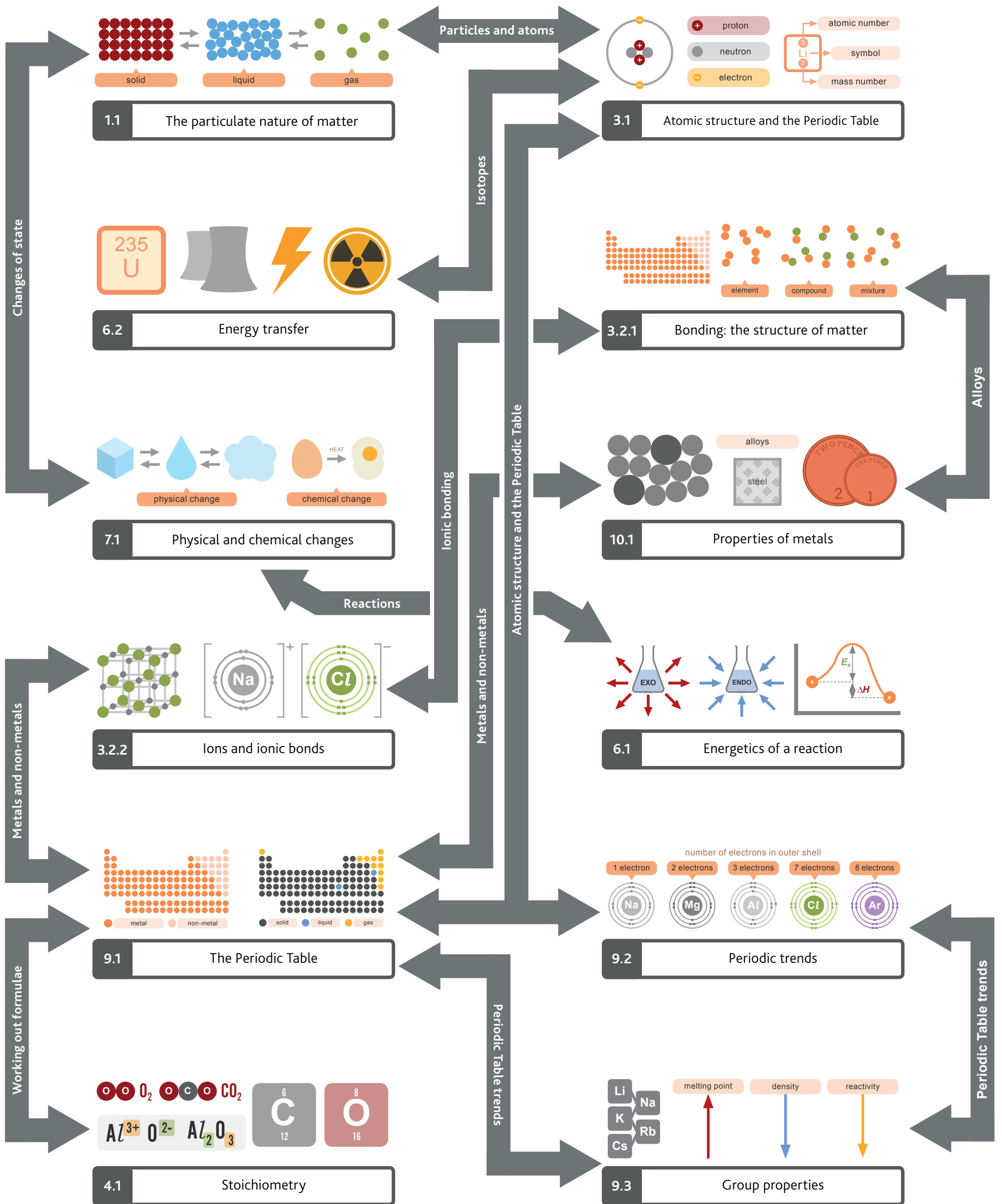
1 2 3 4 5 6
7 8 9 10 11 12

Highlighted numbers in the 'unit links' boxes indicate significant links between the different units.

1

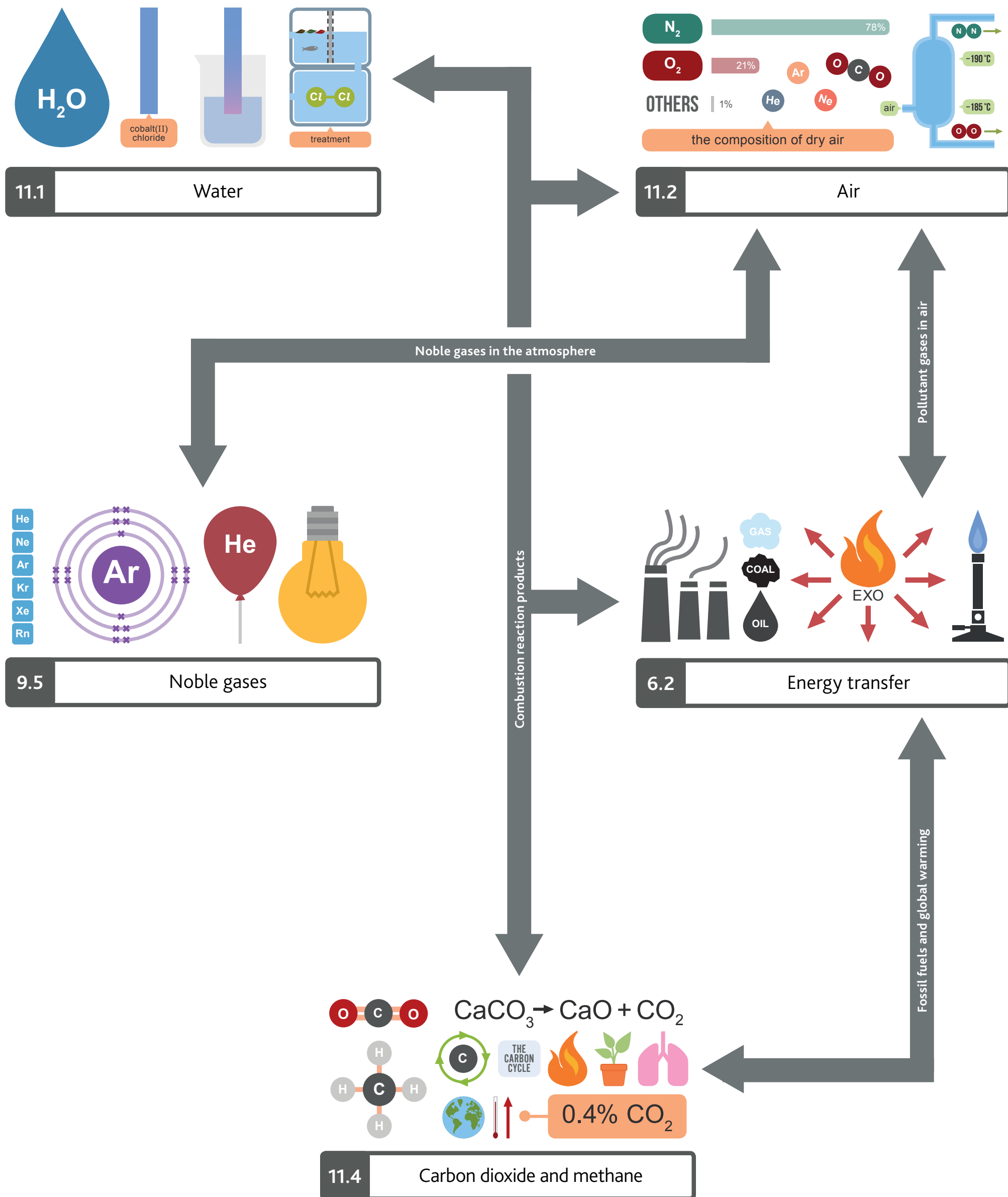
Experimental techniques

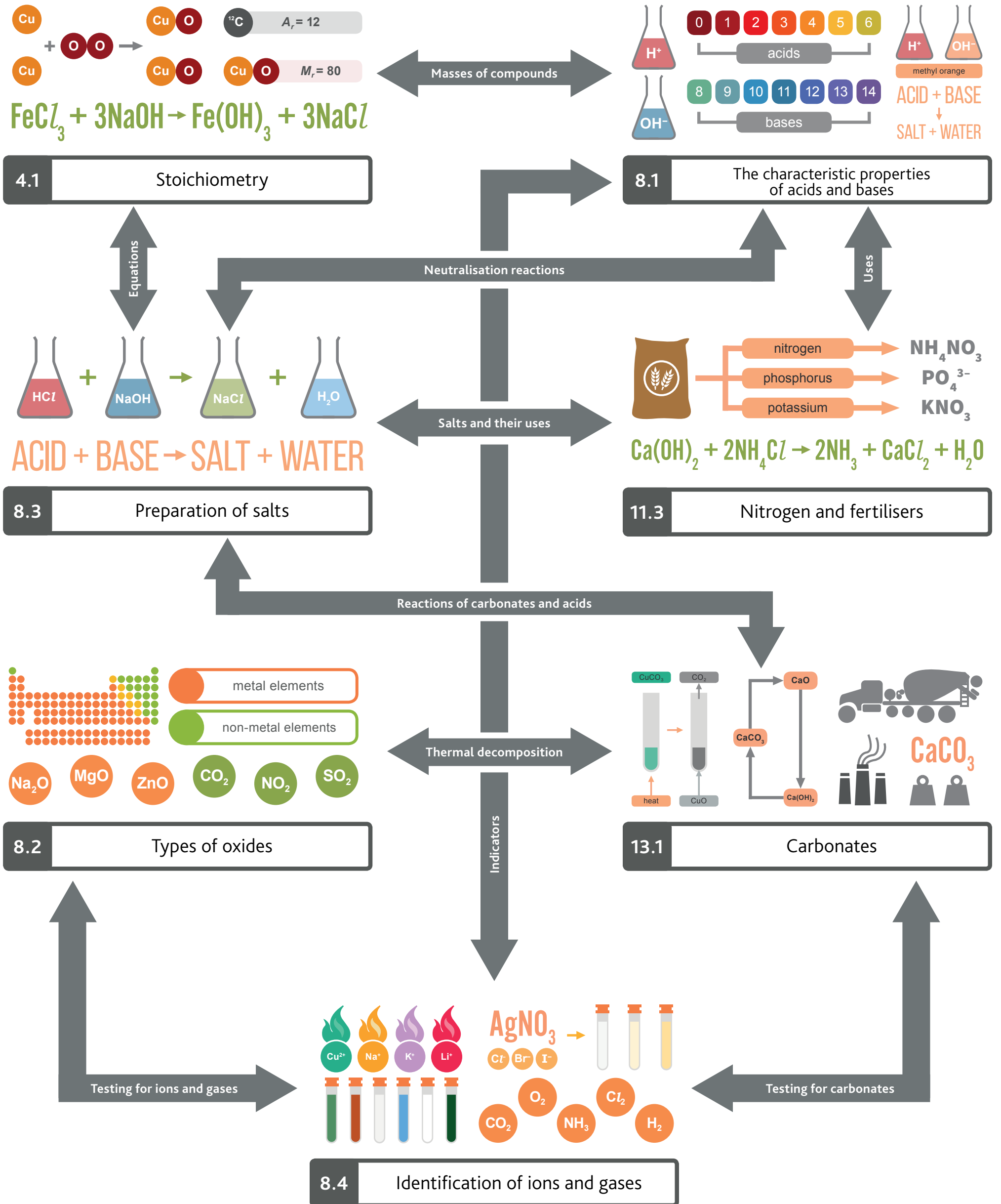




3

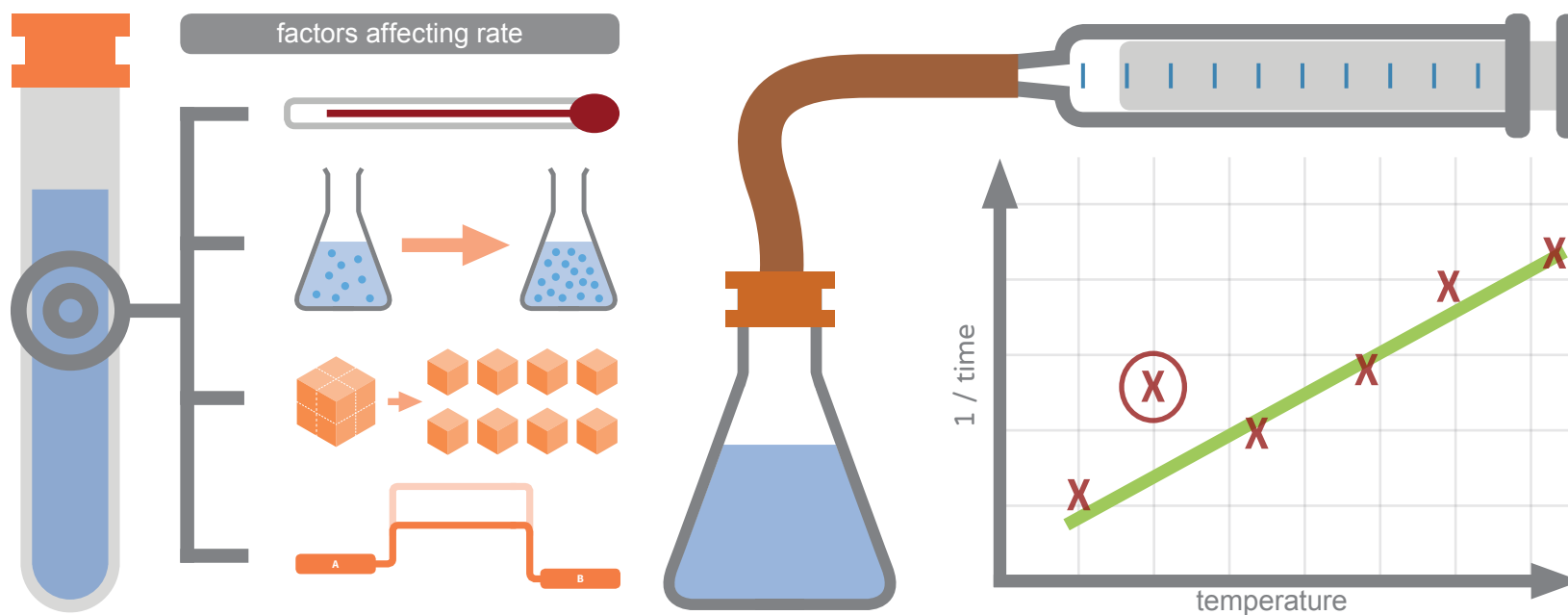
Air and water



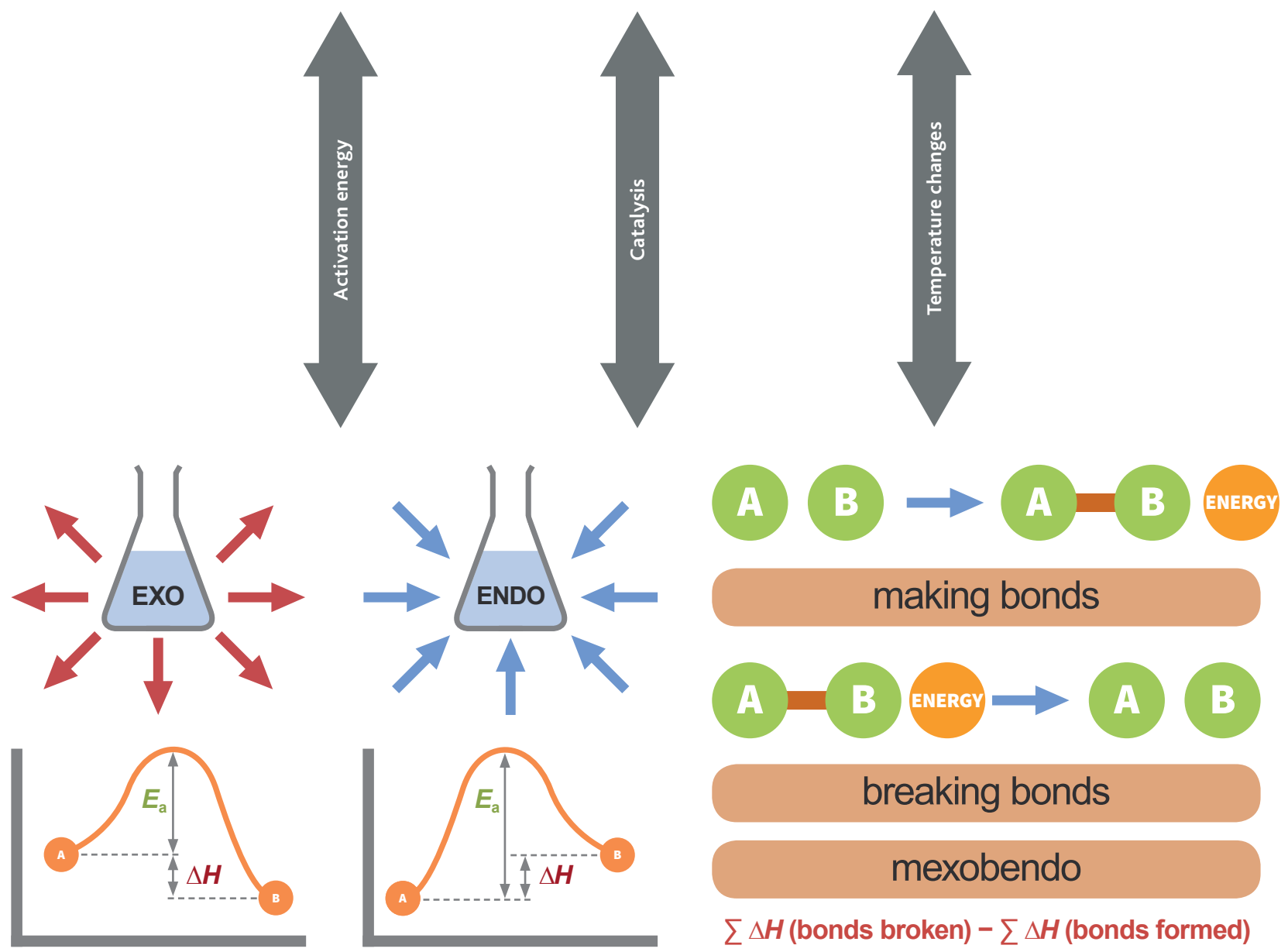


5

Reaction rates



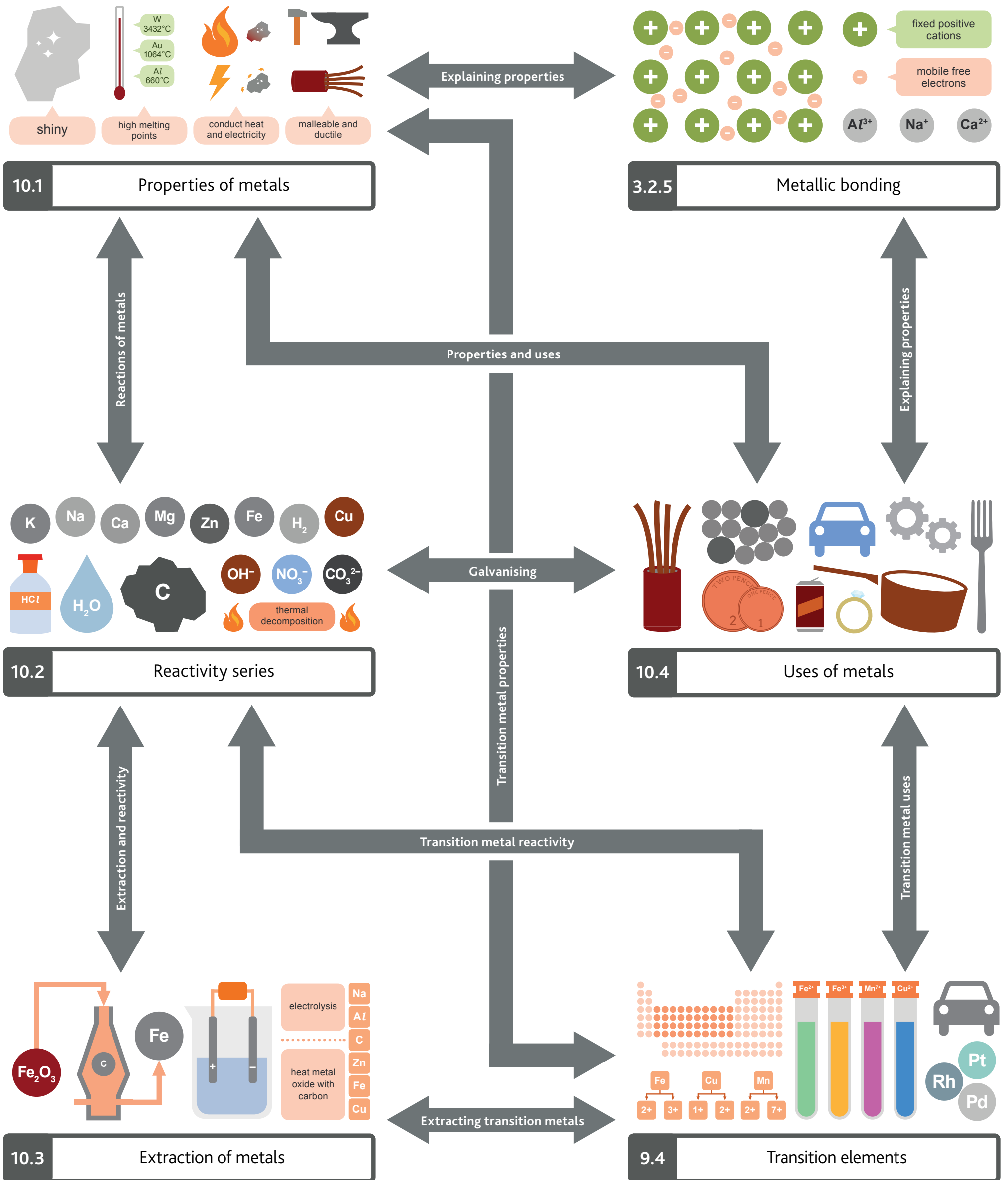
7.2 Rate (speed) of reaction

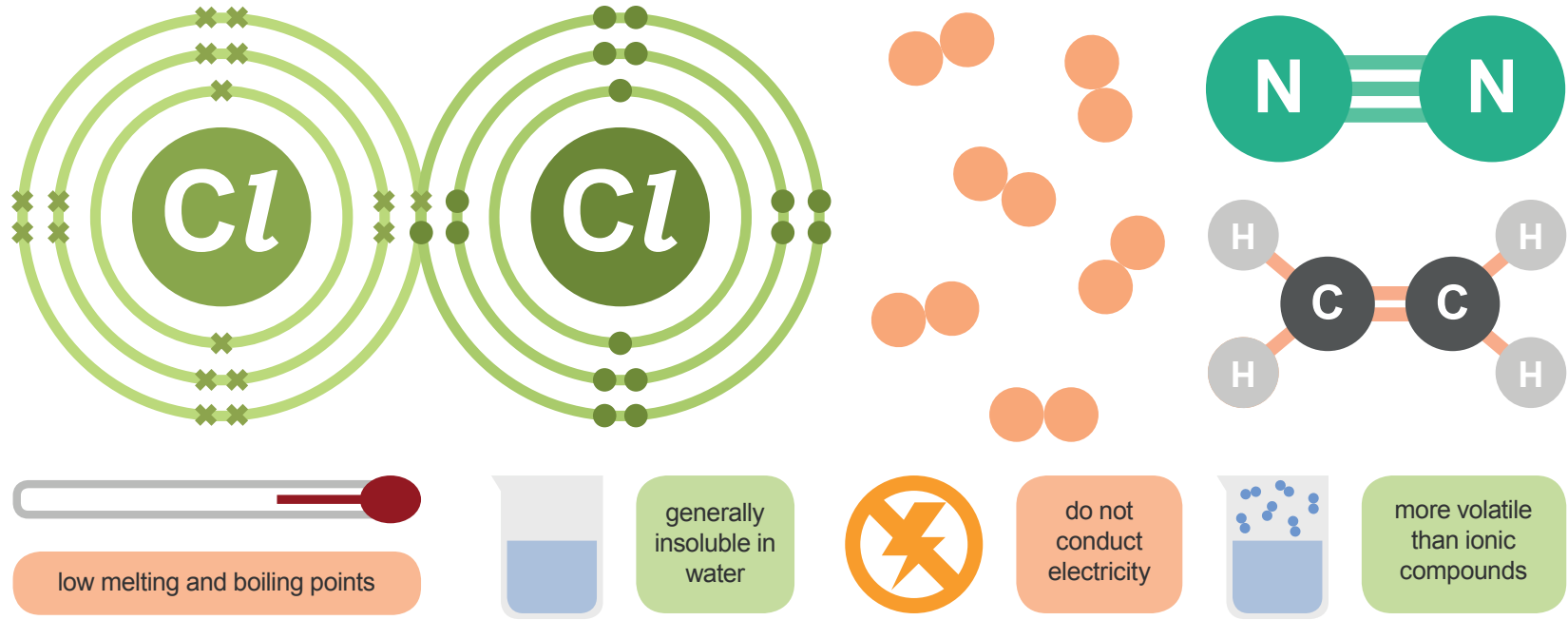


6.1 Energetics of a reaction

6

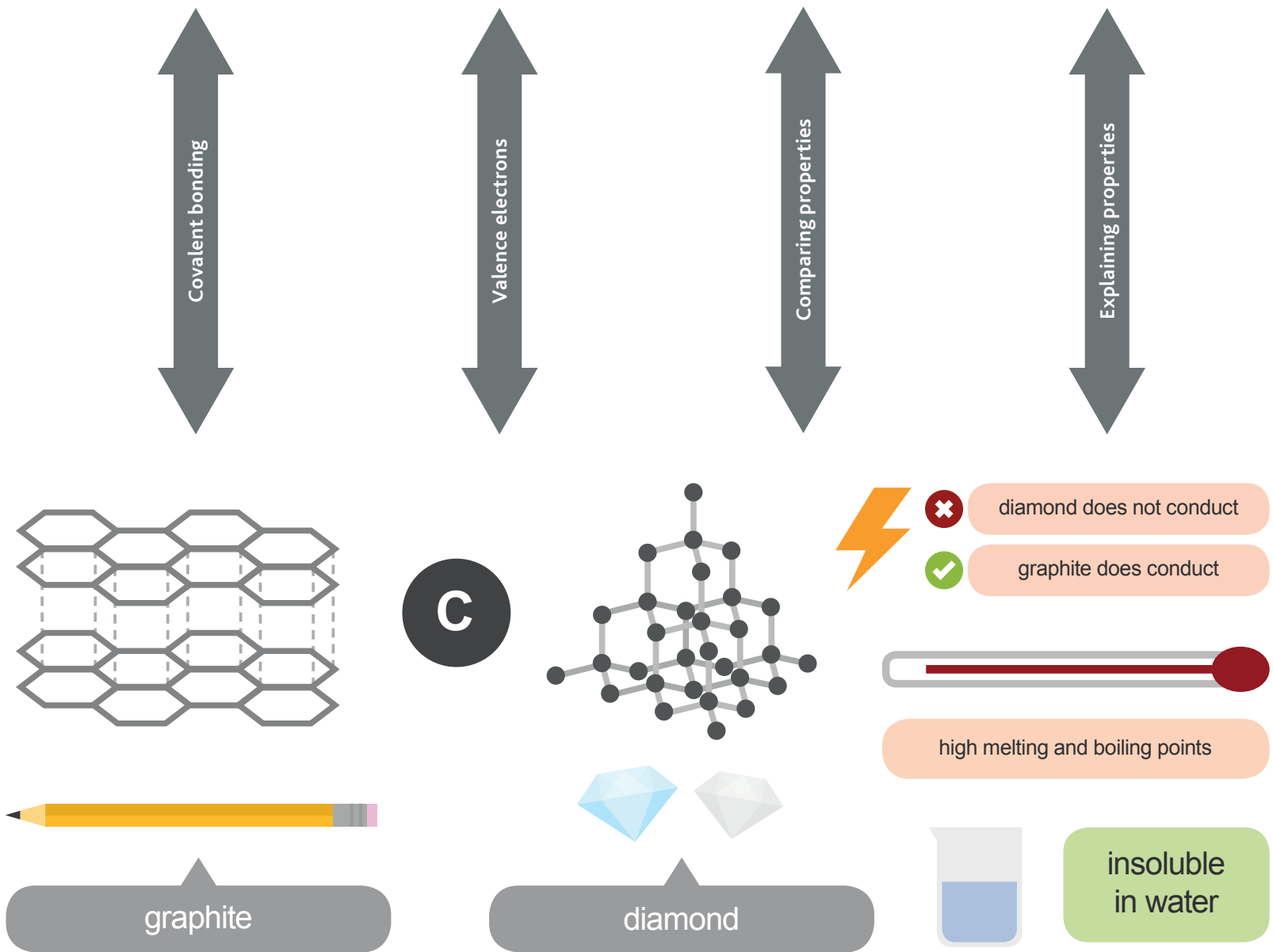
Metals and the reactivity series





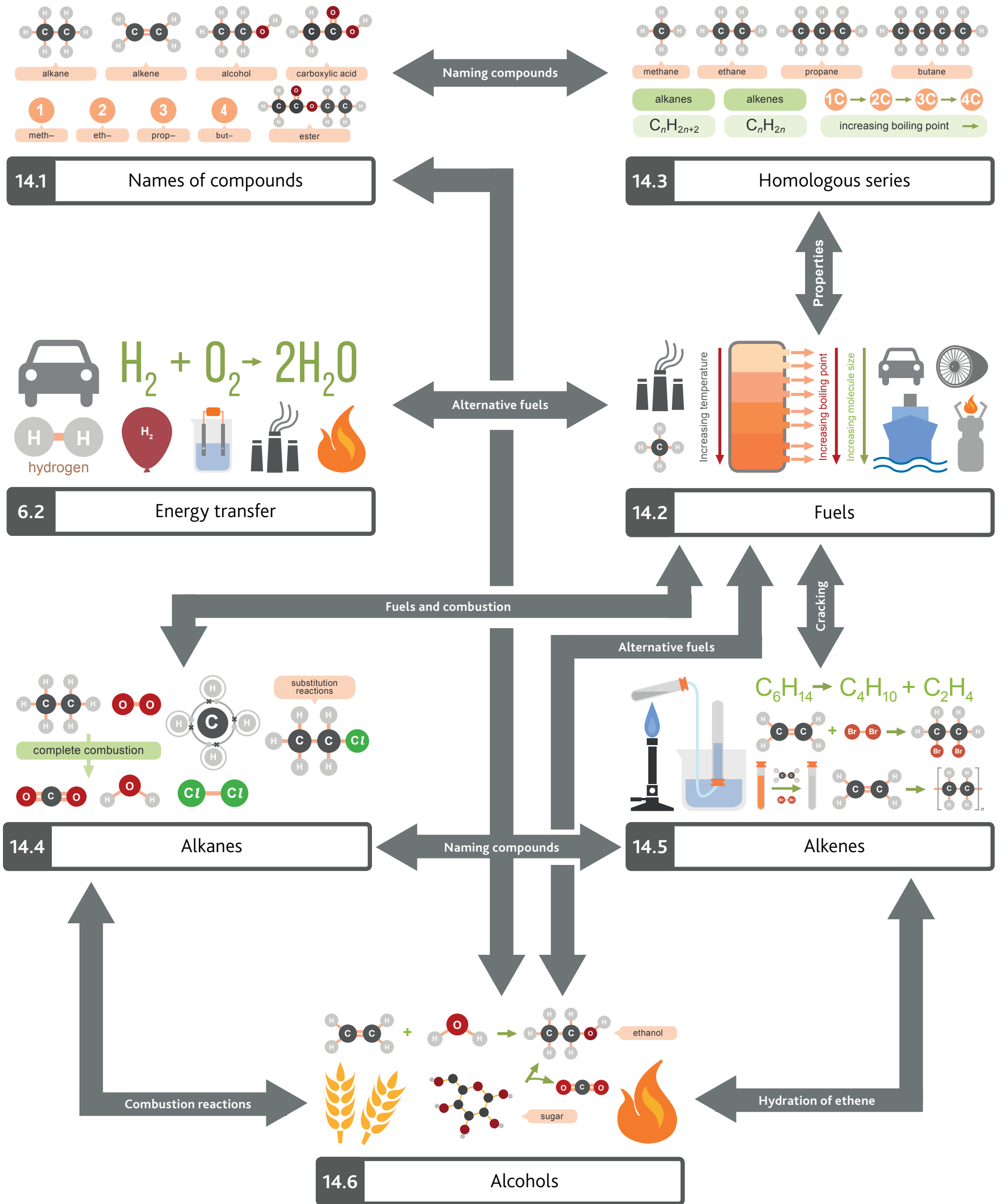
3.2.3

Molecules and covalent bonds



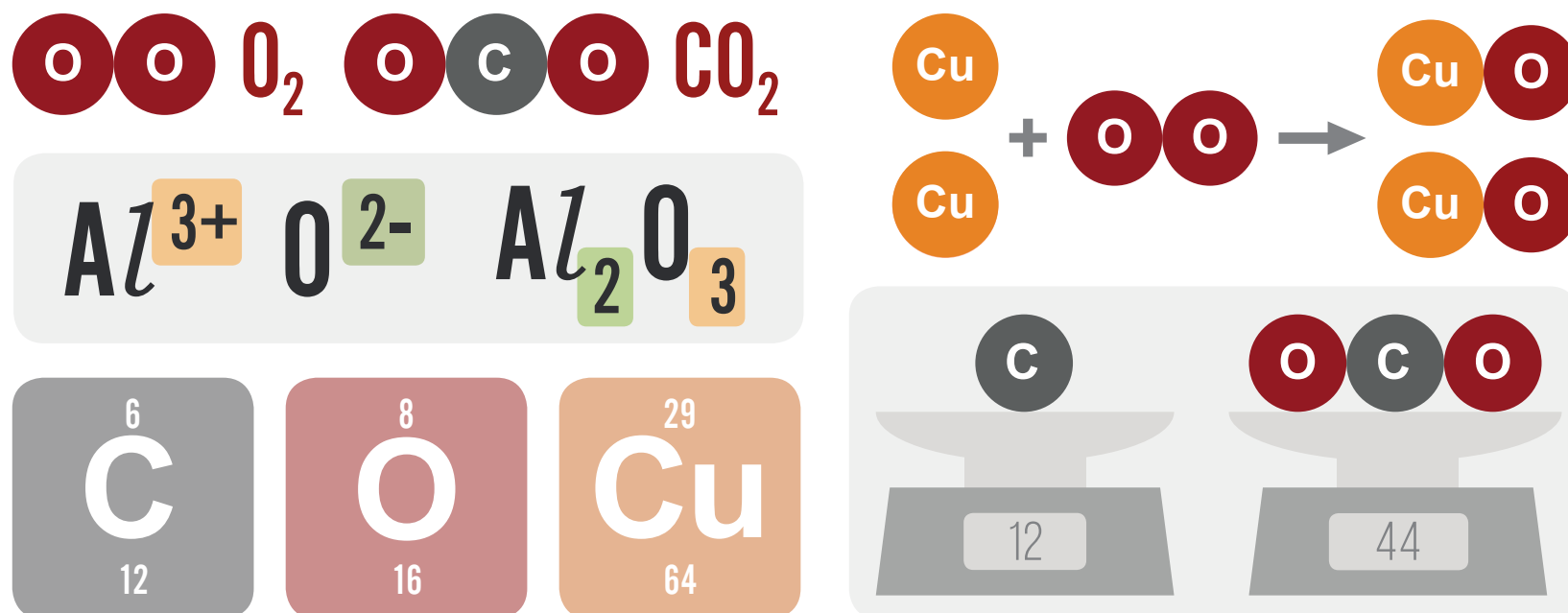
3.2.4

Macromolecules



9

Amount of substance



4.1 Stoichiometry

Relative atomic mass Relative formula mass Balanced equations Molecular formulae

6.022×10^{23} 1 MOLE

H_2O 18g Fe 56g O_2 32g He 4g

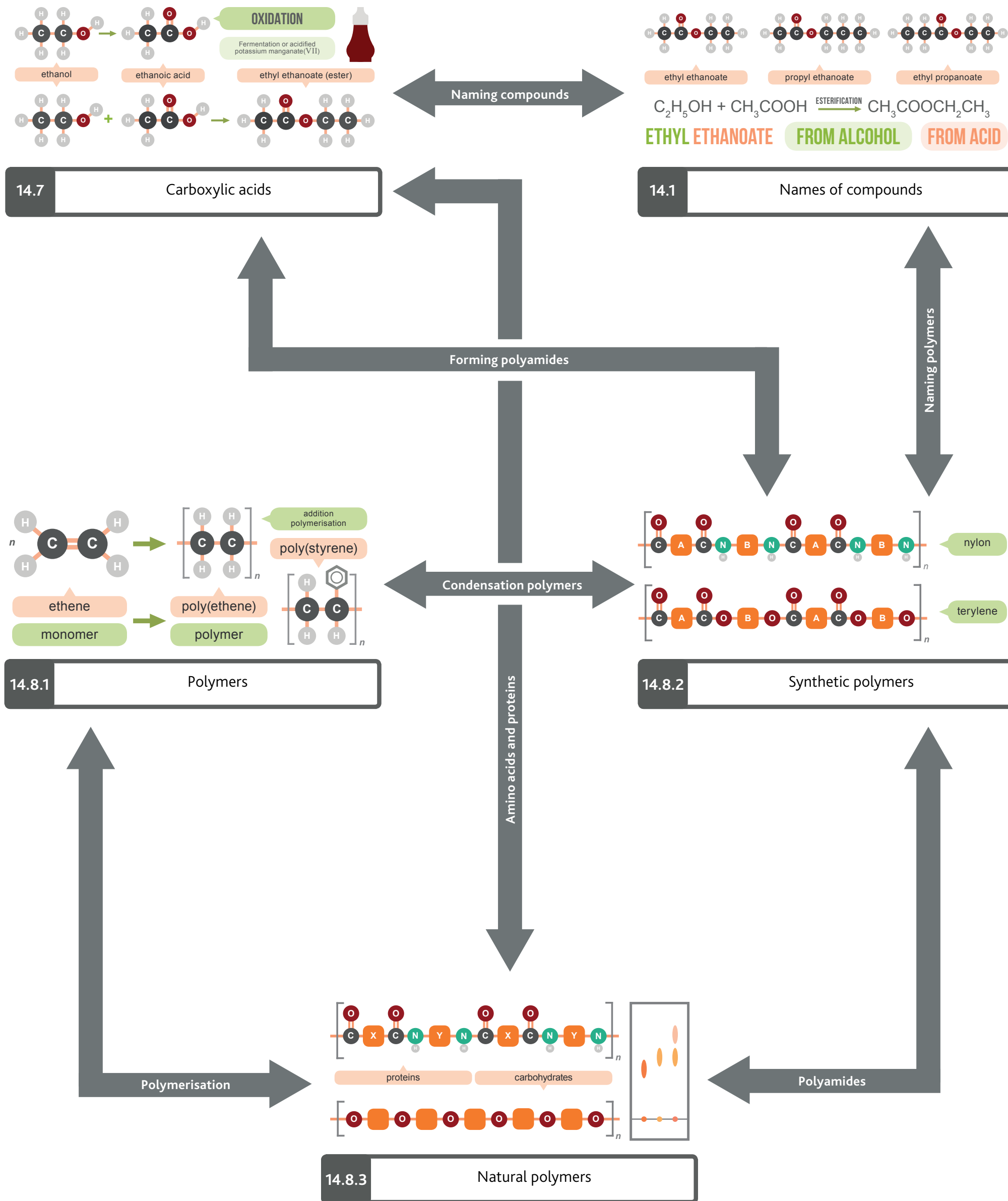
Au 197g Ag 108g Cu 64g

24 dm³

mol/dm³ g/dm³

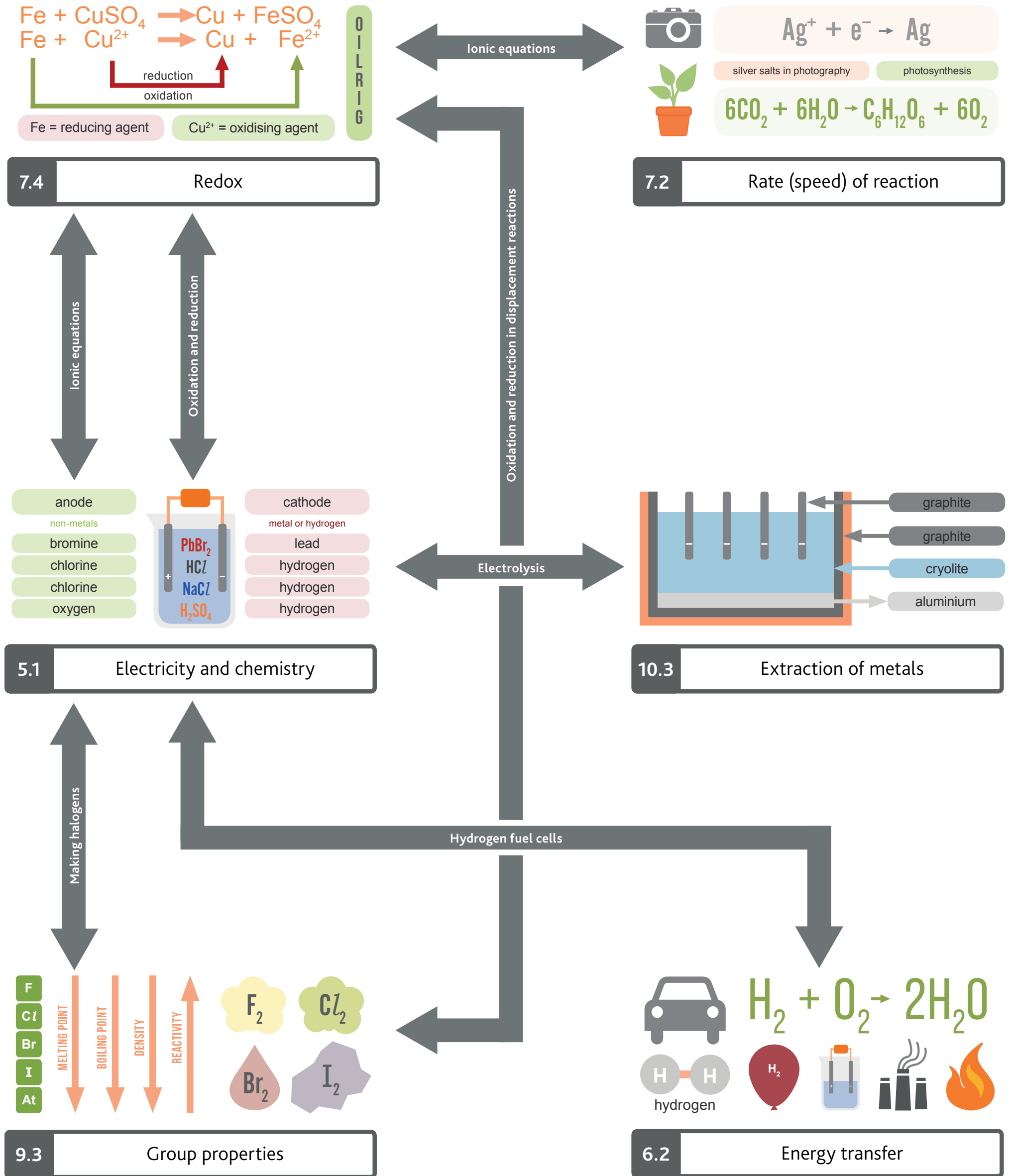
$\% \text{ yield} = \frac{\text{actual yield}}{\text{theoretical yield}}$

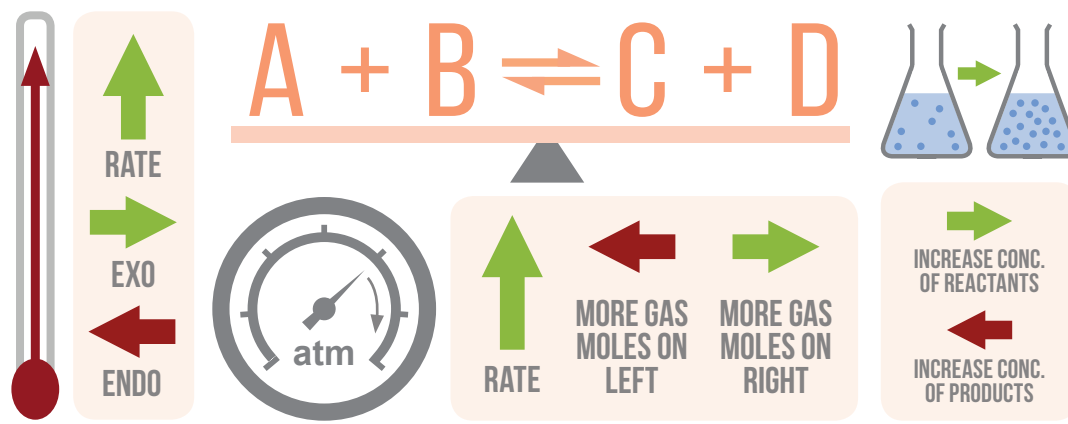
4.2 The mole concept



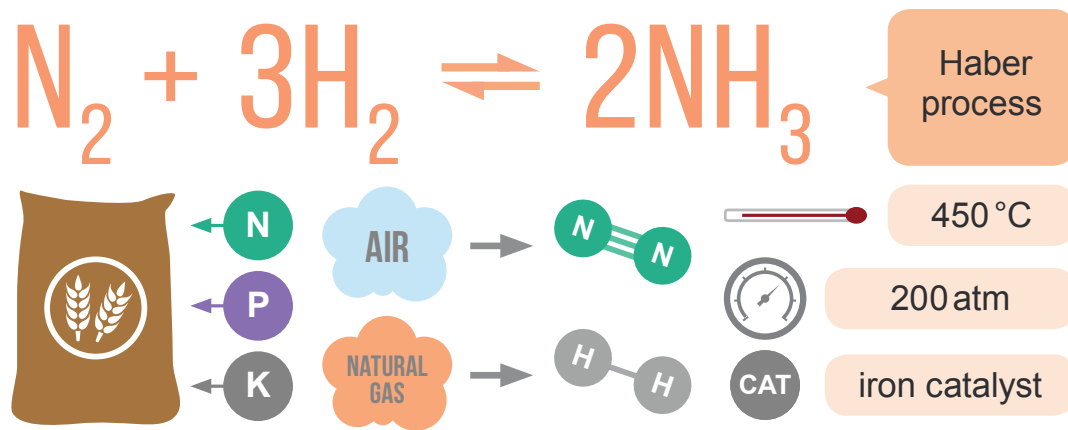
11

Redox, electrochemistry and Group VII

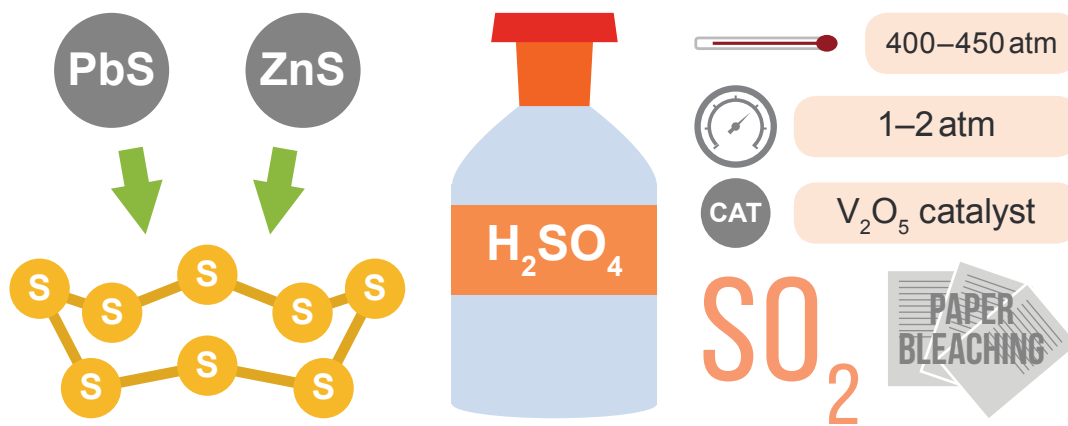




7.3 Reversible reactions



11.3 Nitrogen and fertilisers



12.1 Sulfur

Equilibrium conditions

Industrial processes