

Chemistry Learning Journey

Key to Lines and Symbols

- Earth
- Reactions
- Matter

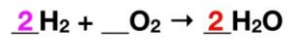
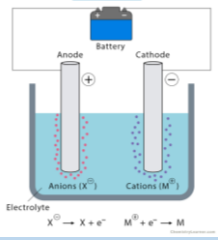
A level
Chemistry

BTEC Applied
Science

BTEC
Engineering

Post 16
options

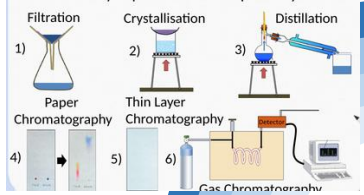
Electrolysis



Hydrogen (H)	Oxygen (O)	→	Hydrogen (H)	Oxygen (O)
2	2		2	1
2	2		4	2
4	2		4	2

Chemical
calculations

Chemical
analysis

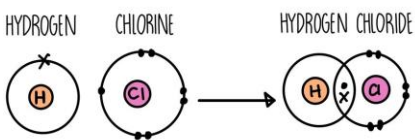


Using
resources

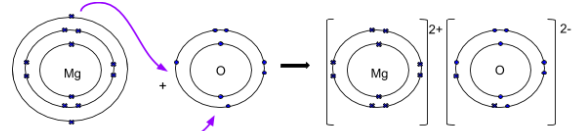
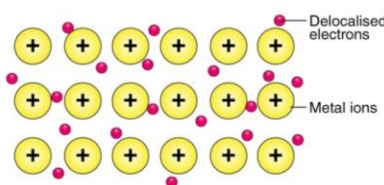
YEAR
11



Electrolysis



Structure
and
bonding

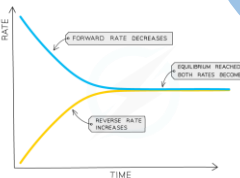


YEAR
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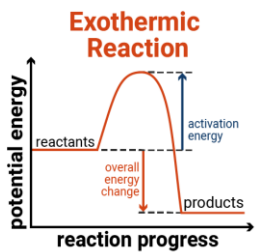
Layers of the Atmosphere



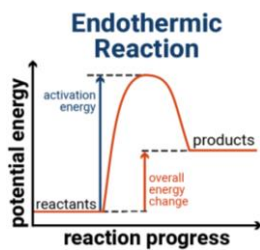
Rates and
equilibrium



Earth's
atmosphere



Energy
changes



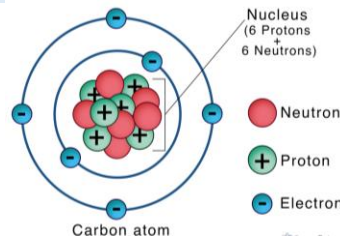
Periodic
table

Potassium	Most reactive
Sodium	
Calcium	
Magnesium	
Aluminium	
Zinc	
Iron	
Tin	
Lead	
Copper	
Silver	
Gold	
Platinum	Least reactive

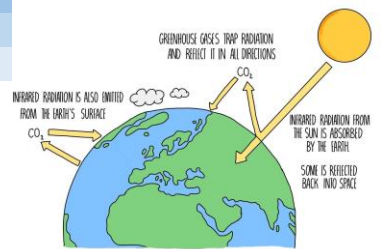
Metals and
non-metals

METALS	NON-METALS
SHINY	DULL
HIGH MELTING POINTS	LOW MELTING POINTS
GOOD CONDUCTORS	POOR CONDUCTORS
HIGH DENSITY	LOW DENSITY
MALLEABLE	BRITTLE

Atomic
structure

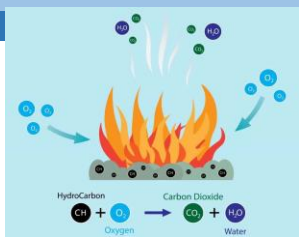


Climate and
resources

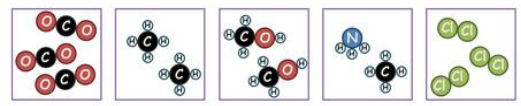


YEAR
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Types of
reactions



Elements and
compounds

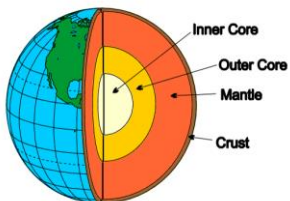


Universe



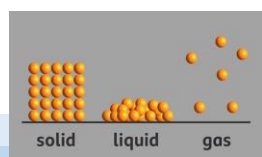
YEAR
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Earth's
structure



Periodic
table

Particle
model



YEAR
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Acids and
alkalis

Strongly Acidic	Weakly Acidic	Neutral	Weakly Alkaline	Strongly Alkaline
1	2, 3, 4, 5, 6, 7	8	9, 10, 11, 12	13, 14
hydrochloric acid (HCl)	hydrochloric acid (HCl), sulphuric acid (H2SO4), nitric acid (HNO3)	water (H2O), neutralisation salt	potassium hydroxide (KOH), sodium hydroxide (NaOH)	ammonia (NH3)

Separating
mixtures

