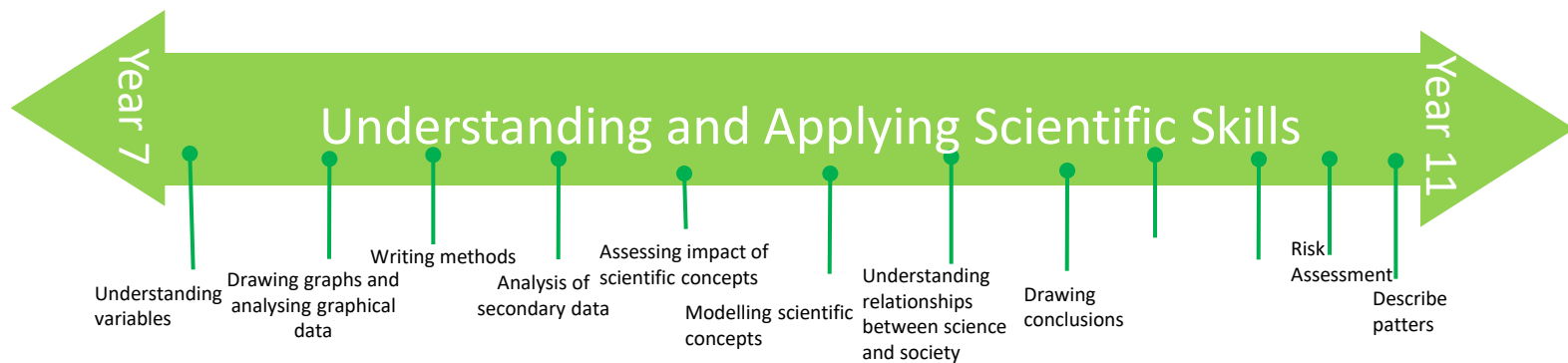




Exam & Post – 16 Destination

Bond	Average bond enthalpy (kJ mol ⁻¹)
C–H	413
C–C	347
C–O	358
O–H	464
O=O	498

CC15 heat energy changes in chemical reaction

11

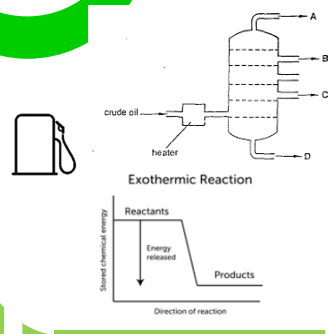
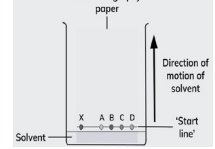
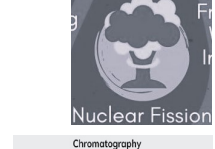
CC16 Fuels

CC17 Earth and Atmospheric Science

Revision



EXOTHERMIC REACTIONS



Li
Na
K
Rb
Cs
Fr

The Halogens

F₂ Cl₂ Br₂ I₂

Reversible Reaction

A + B ⇌ C + D

Reactants Products

CC11 Obtaining & using metals

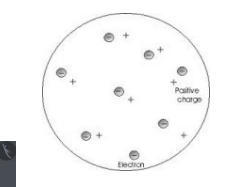
CC14 Rates of reaction

CC13 Groups in the periodic table

CC12 Reversible reactions

CC10 Electrolytic Processes

Acidic	Neutral	Basic
1	7	14
Battery Acid	Distilled Water	Ammonia
Lemon Juice	Normal Rain	Lye
Wine	Baking Soda	
	Soft Soap	



CC9 Calculations involving masses

reactants ⇌ products

Iron nail + CuSO₄ solution → FeSO₄ solution + Cu deposits on the iron nail

CC10 Electrolytic Processes

CC6 Covalent bonding

CC7 Types of substances

10

CC8 Acids & Alkalis

CC9 Calculations involving masses

CC10 Electrolytic Processes

CC5 Ionic bonding

CC4 Periodic table

Na (Sodium) 11, 22.99

Cl (Chlorine) 17, 35.453

CC3 Atomic structure

deuterium, hydrogen

CC2 Separating and purifying substances

CC1 States of Matter

Melting, Freezing, Vaporization, Condensation

CC10 Electrolytic Processes

CC5 Ionic bonding

CC4 Periodic table

CC3 Atomic structure

CC2 Separating and purifying substances

CC1 States of Matter

CC10 Electrolytic Processes

CC5 Ionic bonding

CC4 Periodic table

Ne (Neon) 10, 20.179

Ag (Silver) 47, 107.868

CC3 Atomic structure

OXYGEN, CARBON

CC2 Separating and purifying substances

CC1 States of Matter

SOLID, LIQUID, GAS

CC10 Electrolytic Processes

8

Matter: Elements & the periodic table

Reactions: Types of reaction & chemical energy

Earth: Climate & universe

Earth: structure & universe

CC4 Periodic table

He (Helium) 2, 4.0026

Na (Sodium) 11, 22.99

H (Hydrogen) 1, 1.008

Chemical Reactions

Reactions: Types of reaction & chemical energy

Earth: Climate & universe

Earth: structure & universe

Reactions: Acids & alkalis

Conservation of mass

Matter: particles & separating mixtures

7

Earth: structure & universe

Reactions: Acids & alkalis

Conservation of mass

Matter: particles & separating mixtures

7

Acidic	Neutral	Basic
1	7	14
Battery Acid	Distilled Water	Ammonia
Lemon Juice	Normal Rain	Lye
Wine	Baking Soda	
	Soft Soap	

Conservation of mass

Reactions: Acids & alkalis

Matter: particles & separating mixtures

Matter: particles & separating mixtures

Matter: particles & separating mixtures