

Assessment = ★

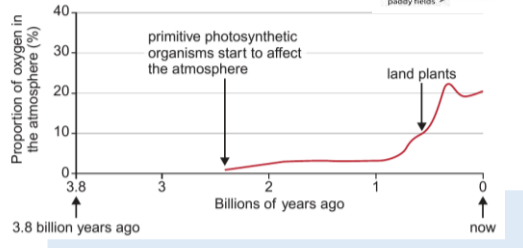
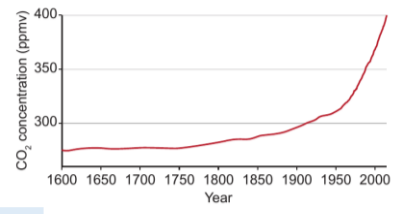
Self-Assessment = ★

Revision lesson
Focus on retrieval, key word definitions and equations.

Assessment & Review

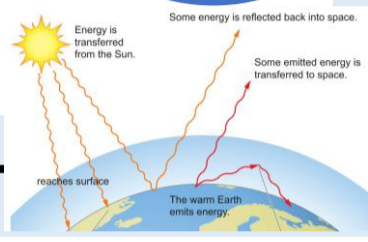
Climate change

Human activity influencing climate change.



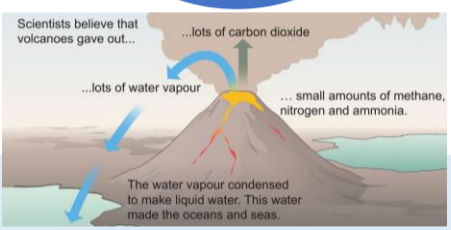
The atmosphere today

Climate change and evaluating evidence.



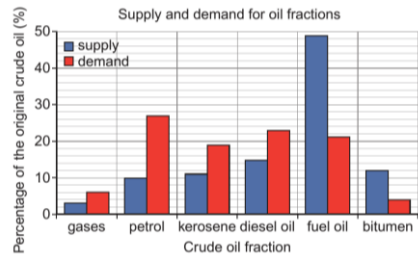
Changing atmosphere

Decreasing CO₂ and increasing O₂.



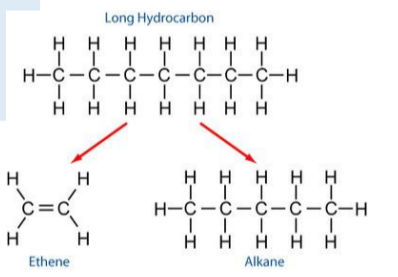
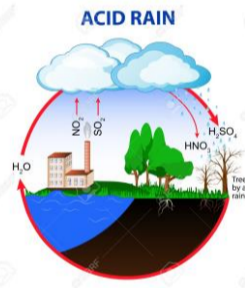
SC21 Atmosphere

The early atmosphere



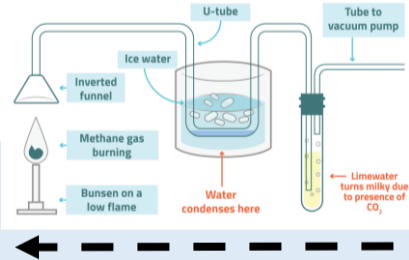
Breaking down hydrocarbons

Cracking and fuel for cars.



Combustion & pollution

Sulfur dioxide and oxides of nitrogen.



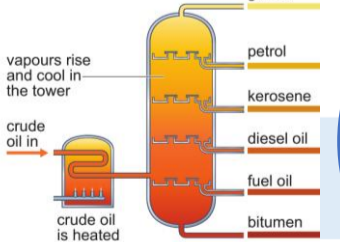
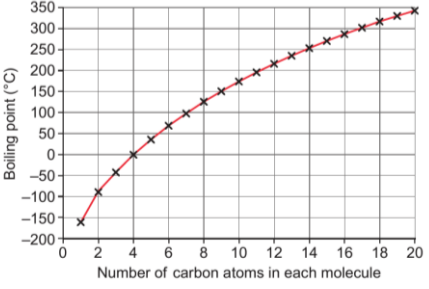
Combustion

Products of combustion and dangers of incomplete combustion

Name	Molecular formula	Structural formula
methane	CH ₄	$\begin{array}{c} \text{H} \\ \\ \text{H}-\text{C}-\text{H} \\ \\ \text{H} \end{array}$
ethane	C ₂ H ₆	$\begin{array}{c} \text{H} \quad \text{H} \\ \quad \\ \text{H}-\text{C}-\text{C}-\text{H} \\ \quad \\ \text{H} \quad \text{H} \end{array}$
propane	C ₃ H ₈	$\begin{array}{c} \text{H} \quad \text{H} \quad \text{H} \\ \quad \quad \\ \text{H}-\text{C}-\text{C}-\text{C}-\text{H} \\ \quad \quad \\ \text{H} \quad \text{H} \quad \text{H} \end{array}$

The Alkanes

Homologous series, names, formulae, trends in physical properties

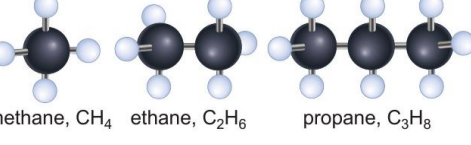


Fractional distillation of crude oil

Names, properties and uses of fractions.

SC20 Hydrocarbons

Crude oil, finite resource..



Keywords. Fuel, crude oil, hydrocarbon, fractional distillation, viscosity, alkane, general formula, homologous series, carbon monoxide, combustion, haemoglobin, soot, oxidation, toxic, acid rain, cracking, alkene, greenhouse gas, atmosphere, photosynthesis, climate change, Global warming. Check the word sheet for more key words and definitions.

Retrieve:
Year 7 Burning Fuels
Year 8 photosynthesis
Year 9 Earth and climate change
CC2 Separation techniques