

1. IGCSE Chemistry Chapter ONE

Photosynthesis word equation

- Carbon dioxide + water $\rightarrow$ glucose + oxygen
- This process needs sunlight and chlorophyll

Respiration word equation

- Glucose + oxygen $\rightarrow$ carbon dioxide + water

Cycle of Carbon dioxide

- Carbon dioxide is removed from ATM* photosynthesis
- Also removed by being dissolved in sea water
- Carbon dioxide released in to ATM* by respiration, decomposition, and combustion.

Information about Earth's resources

- Non-renewable limited amount, will run out. Ex (coal, oil, and gas)
- Renewable resources unlimited amount. Ex (sunlight and wind)
- Potentially renewable- if used wisely won't run out. Ex (wood, clean water and plants)

Atmosphere comprises of three main gases

- Nitrogen 78%
- Oxygen 21%
- Argon 0.9%
- Other gases 0.1 % (carbon dioxide 0.04% and other noble gases)

ATM: short term for atmosphere