IGCSE Chemistry (9-1) Specification 2(c)

(c) Gases in the atmosphere

Students should:

2.9 know the approximate percentages by volume of the four most abundant gases in dry air

2.10 understand how to determine the percentage by volume of oxygen in air using experiments involving the reactions of metals (e.g. iron) and non-metals (e.g. phosphorus) with air

2.11 describe the combustion of elements in oxygen, including magnesium, hydrogen and sulfur

2.12 describe the formation of carbon dioxide from the thermal decomposition of metal carbonates, including copper(II) carbonate

2.13 know that carbon dioxide is a greenhouse gas and that increasing amounts in the atmosphere may contribute to climate change

2.14 **practical:** determine the approximate percentage by volume of oxygen in air using a metal or a non-metal

Dr. James Peros (PhD, BS, BS, BA, AS, CEd)

Contact: James@YourEducationPlus.com & Site: www.YourEducationPlus.com
& Facebook: https://www.facebook.com/YourEducationPlus/