

Air and Oxygen

- OC21 understand that air is a mixture of gases, and state the composition of air (approximately 78% N₂ and 21% O₂, with CO₂, water vapour and other gases making up the balance)
- OC22 show that approximately one fifth of the air is oxygen; show that there is CO₂ and water vapour in air
- OC23 demonstrate and describe what happens when (i) a wooden splint and (ii) a piece of magnesium are burned in air
- OC24 prepare a sample of oxygen by decomposing H₂O₂ using MnO₂ as a catalyst (word equation and chemical equation)
- OC25 investigate the ability of oxygen to support combustion in a wooden splint and a candle, and state two uses of oxygen
- OC26 burn carbon and magnesium in oxygen, and test the products using moist litmus paper

