

Identifying gases

Name	Formula	Test	Result
Hydrogen	H ₂	Test with a lit splint	Burns with a squeaky pop
Oxygen	O ₂	Test with a glowing splint	Glowing splint reignites
Carbon dioxide	CO ₂	Bubble gas through limewater (calcium hydroxide solution)	Lime water turns cloudy (white precipitate formed)
Chlorine	Cl ₂	Test with damp blue litmus paper	Litmus paper is bleached (it loses its colour) (chlorine gas is green)
Ammonia	NH ₃	Test with damp red litmus paper	Damp red litmus paper turns blue (ammonia is an alkaline gas)

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