

## Data Table

Flammability Tests - Reasons					
	Mouth Up (60 sec)		Mouth Down (60 sec)		
Substances	Glowing Splint	Flaming Splint	Glowing Splint	Flaming Splint	Limewater
Magnesium & Sulfuric Acid (Hydrogen)	Glowes - H <sub>2</sub> escapes - splint reacts with the air to glow	Goes out - H <sub>2</sub> escapes - flame uses all the oxygen quickly	Pops or goes out - H <sub>2</sub> reacts with the oxygen to produce water.	POPS - H <sub>2</sub> reacts the oxygen to produce water.	
Magnesium Carbonate & sulfuric Acid (Carbon Dioxide)	Goes Out - CO <sub>2</sub> at bottom of t.t. causes splint to go out.	Goes Out - CO <sub>2</sub> at the bottom of t.t. causes splint to go out.	Glowes - CO <sub>2</sub> escapes - air allows glowing to glow	Goes Out - CO <sub>2</sub> escapes - not enough oxygen to support the flame.	
Air					