

ALKALI METALS IN WATER, DISPLACEMENT REACTIONS

ALKALI METALS

	Li	Na	K
Appearance	Dull outside, shiny inside	Dull outside, shiny inside	Dull outside, shiny inside
Hardness	Soft	Softer	Softest
Floats/sink in: Water Paraffin	Float Float	Float Sink	Float Sink
Observations	<ul style="list-style-type: none">- Effervescence- No flame- Reacts quickly	<ul style="list-style-type: none">- Effervescence- Yellow flame- Melts to form white globule- Darts around water surface- Reacts v quickly	<ul style="list-style-type: none">- Effervescence- Purple flame- Melts- Reacts violently
Effect of burning splinter	Extinguishes flame with pop sound	Extinguishes flame with pop sound	Extinguishes flame with pop sound
Colour of universal indicator	Turn from green to purple	Turn from green to purple	Turn from green to purple

DISPLACEMENT

	KCl	KBr	KI
Cl water: pale yellow	Solution turns from colourless to pale yellow	Solution turn from colourless to orange	Solution turn from colourless to brown
Br water: orange	Solution turns from colourless to orange	Solution turns from colourless to orange	Solution turn from colourless to brown
I Water: brown	Solution turns from colourless to brown	Solution turns from colourless to brown	Solution turns from colourless to brown