

Reactivity series of metals: some reactions summarised

Element	Reaction of metal with:			symbol
	water	dilute hydrochloric acid	air (when heated)	
potassium	reacts with cold water	violent reaction	burns to form an oxide but getting less vigorous  ↓	<b>K</b>
sodium				<b>Na</b>
calcium		<b>Ca</b>		
magnesium		<b>Mg</b>		
aluminium	protected by oxide layer	reacts, but getting less vigorous  ↓	reacts slowly	<b>Al</b>
zinc	reacts with steam			<b>Zn</b>
iron	reacts slowly with steam	<b>Fe</b>		
tin		<b>Sn</b>		
lead	does not react with water or steam	no reaction	does not react with air	<b>Pb</b>
copper				<b>Cu</b>
silver		<b>Ag</b>		
gold		<b>Au</b>		
platinum			<b>Pt</b>	

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