

Reactivity Series of Metals

Lithium	Li	→	$\text{Li}^+ + \text{e}^-$
Rubidium	Rb	→	$\text{Rb}^+ + \text{e}^-$
Potassium	K	→	$\text{K}^+ + \text{e}^-$
Cesium	Cs	→	$\text{Cs}^+ + \text{e}^-$
Barium	Ba	→	$\text{Ba}^{2+} + 2\text{e}^-$
Strontium	Sr	→	$\text{Sr}^{2+} + 2\text{e}^-$
Calcium	Ca	→	$\text{Ca}^{2+} + 2\text{e}^-$
Sodium	Na	→	$\text{Na}^+ + \text{e}^-$
Magnesium	Mg	→	$\text{Mg}^{2+} + 2\text{e}^-$
Aluminum	Al	→	$\text{Al}^{3+} + 3\text{e}^-$
Manganese	Mn	→	$\text{Mn}^{2+} + 2\text{e}^-$
Zinc	Zn	→	$\text{Zn}^{2+} + 2\text{e}^-$
Chromium	Cr	→	$\text{Cr}^{3+} + 3\text{e}^-$
Iron	Fe	→	$\text{Fe}^{2+} + 2\text{e}^-$
Cadmium	Cd	→	$\text{Cd}^{2+} + 2\text{e}^-$
Cobalt	Co	→	$\text{Co}^{2+} + 2\text{e}^-$
Nickel	Ni	→	$\text{Ni}^{2+} + 2\text{e}^-$
Tin	Sn	→	$\text{Sn}^{2+} + 2\text{e}^-$
Lead	Pb	→	$\text{Pb}^{2+} + 2\text{e}^-$
Hydrogen	H_2	→	$2\text{H}^+ + 2\text{e}^-$
Copper	Cu	→	$\text{Cu}^{2+} + 2\text{e}^-$
Silver	Ag	→	$\text{Ag}^+ + \text{e}^-$
Mercury	Hg	→	$\text{Hg}^{2+} + 2\text{e}^-$
Platinum	Pt	→	$\text{Pt}^{2+} + 2\text{e}^-$
Gold	Au	→	$\text{Au}^{3+} + 3\text{e}^-$

Replaces hydrogen from acids

Replaces hydrogen from steam

Replaces hydrogen from cold water