

The Activity Series

Table 1. The Activity Series of Metals

Metal	Reactivity
Li Rb K Ba Ca Na	React with cold water and acids, replacing hydrogen
Mg Al Mn Zn Cr Fe	React with acids or steam, but usually not liquid water, to replace hydrogen
Ni Sn Pb	All react with acids, but not water, to replace hydrogen
H ₂ Cu Hg	All react with oxygen to form oxides
Ag Pt Au	Mostly unreactive

Table 2 The Activity Series for the Halogens

Halogen	Reactivity
F ₂ Cl ₂ Br ₂ I ₂	Listed from most reactive to least reactive