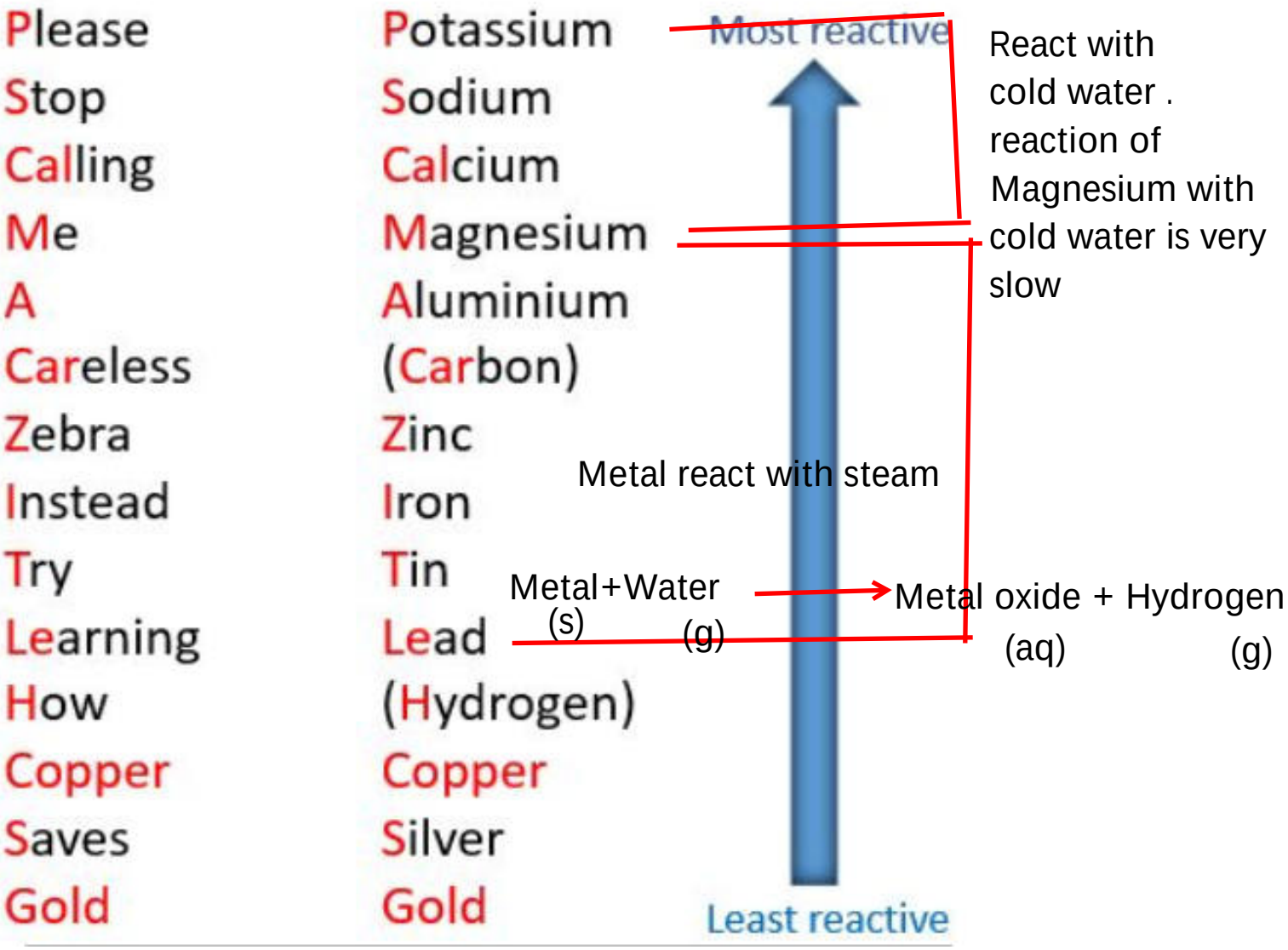
Reaction of metals with cold water

Metal+Water → Metal hydroxide +hydrogen

(s) (l) (aq) (g)



Reaction with Acids

Metal+Acid → Salt + Hydrogen