

REACTIVITY SERIES OF METALS WITH THEIR REACTIONS

METAL & SYMBOL	REACTION WITH COLD WATER(produce metal hydroxide & hydrogen)	REACTION WITH STEAM(produce metal oxide & hydrogen)	REACTION WITH OXYGEN/AIR(produce metal oxide)	REACTION WITH DILUTE ACIDS(produce metal salt &hydrogen)
POTASSIUM (K)	Violent reaction	Violent reaction	React easily	Violent reaction
SODIUM (Na)	Strong reaction	Violent reaction	React easily	Violent reaction
CALCIUM (Ca)	Moderate reaction	Violent reaction	React easily	Violent reaction
LITHIUM (Li)	Moderate reaction	Strong reaction	React easily	Strong reaction
MAGNESIUM (Mg)	Very slow reaction	Strong reaction	slow reaction	Strong reaction
ALUMINIUM (Al)	No reaction	Moderate reaction	slow reaction	Moderate reaction
ZINC (Zn)	No reaction	Moderate reaction	React when heated	Moderate reaction
IRON (Fe)	No reaction	Reversible reaction	React when heated	Moderate reaction
NICKEL (Ni)	No reaction	Slow reaction	React when heated	Slow reaction
TIN (Sn)	No reaction	No reaction	React when heated	Slow reaction
LEAD (Pb)	No reaction	No reaction	React when heated	Slow reaction
COPPER (Cu)	No reaction	No reaction	React when heated	No reaction
MERCURY (Hg)	No reaction	No reaction	Reversible reaction	No reaction
SILVER (Ag)	No reaction	No reaction	No reaction	No reaction
GOLD (Au)	No reaction	No reaction	No reaction	No reaction
PLATINUM (Pt)	No reaction	No reaction	No reaction	No reaction