

Data Table: Metal, Nonmetal, or Metalloid?

Element	Chemical Symbol	Color	Luster	Other Physical Properties	Result of Tapping	Reaction with Acid	Reaction with CuCl_2	Conductivity (Optional)
Aluminum	Al	Silver	Shiny	Smooth; Oval pellets	Soft; Malleable	Slight bubbling at edges	Bubbles; Surface darkens	Yes, strong
Carbon	C	Black	Dull	Chunky	Shatters; Brittle	NR	NR	No
Copper	Cu	Reddish	Shiny	Smooth strip	Bends; Malleable	NR	NR	Yes, strong
Iodine	I_2	Dark Violet	Slightly shiny	Plates; Violet vapor (corrosive); Noxious odor	Shatters; Brittle	NR	NR	No
Magnesium	Mg	Silver	Shiny	Ribbon	Bends; Malleable	Fizzes; Gas bubbles form	Bubbles; Surface darkens	Yes, strong
Silicon	Si	Gray	Shiny	Chunky	Brittle	NR	NR	Yes, weak
Sulfur	S	Yellow	Dull	Flat plates; Rotten egg odor	Shatters; Brittle	NR	NR	No
Zinc	Zn	Silver	Shiny	Smooth strip	Bends; Malleable	Fizzes; Gas bubbles form	Surface darkens	Yes, strong

NR = No Reaction