

Aim: How can we distinguish metals from nonmetals?

DEMO: samples of **C, Pb, Al, Zn**

What do they have in common? How are they different?

METALS	NONMETALS
a) solid , except Hg	all states
b) silver- gray color, except Cu & Au	many colors
c) shiny (have luster)	dull
d) malleable – can be hammered into thin sheets	brittle
e) ductile – can be pulled into wires	brittle
f) good conductors of heat & electric'	poor conductors (good insulators)

METALLOIDS aka SEMIMETALS

- have properties of metals and nonmetals

DEMO: sample of **Sulfur**, metal or nonmetal? How can you tell?

It's yellow, brittle & poor conductor.