

Properties of Metals

How can you tell if a substance is a metal or non-metal?

Metals are ductile

Metals have Luster

Metals are good conductors

Metals are Malleable

Metals react with acid

1) Would you use graphite or copper for the handle of a teapot? Carefully explain your answer.

2) I am wondering (what do you still want to know about metals)

Messing With Metals

How can you tell if a substance is a metal or a non-metal?

item	conductor	malleable	Luster	Color	Metal or Non-metal
graphite					
fishing weight					
charcoal					
paper clip					
Copper wire					
aluminum foil					
pop-top					

Metals	Non-metals

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Put yes for Metal? only if the material has "yes" in all 3 columns.

Material	Conduct or	Malle- able	Luster	Metal?
Graphite	yes	no	maybe	
Fishing Weight	yes	yes	yes	
charcoal	no	no	maybe	
Paper clip	yes	yes	yes	
Copper wire	yes	yes	yes	
Foil	yes	yes	yes	
Pop tab	yes	yes	yes	

Non-metals graphite carbon	Metals all the rest
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