

General properties of metals and non-metals

Property	Metals	Non-metals
Appearance	Shiny	Dull
Melting and boiling points	High (all are solid at room temperature, except mercury which is in the liquid state)	Low (at room temperature, bromine is in the liquid state and eleven are in the gas state)
Density	High (they feel heavy for their size)	Low (they feel light for their size)
Strength	Strong	Weak
Malleability	Malleable (they can be hammered into shape without breaking)	Brittle (they break or shatter when hammered)
Ductility	Ductile (they can make wires)	Not ductile
Thermal conductivity	High	Low
Electrical conductivity	High	Low (but graphite, a form of carbon, is a good conductor)
Nature of oxides	Basic (metal oxides form alkaline solutions if dissolved in water)	Acidic (non-metal oxides form acidic solutions if dissolved in water)

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