

## Metals and non-metals

<b>Property</b>	<b>Metals</b>	<b>Non-metals</b>
Appearance	Shiny.	Dull.
Melting and boiling points	High (they are all solid at room temperature, except mercury which is a liquid).	Lower than metals (bromine is a liquid at room temperature, and eleven others are gases).
Density	High (they feel "heavy").	Low (they feel "light").
Strength	Strong (they can hold heavy loads without breaking).	Not strong.
Malleability	Malleable (they can be hammered into different shapes without breaking).	Brittle (they break or shatter when hammered).
Ductility	Ductile (they can be drawn out to make wires).	Not ductile.
Heat conductivity	Good.	Poor.
Electrical conductivity	Good.	Poor (but graphite, a form of carbon, is an exception).
Nature of oxides	Metal oxides are bases. If a base dissolves in water, it forms an alkali.	Non-metal oxides will form acids if they dissolve in water.

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