

Metals and Non-metals

Physical Properties

Metals	Non-metals
<ul style="list-style-type: none">• Good conductors of heat and electricity• Malleable• Ductile• Metallic luster• Solid at room temperature (except Hg)	<ul style="list-style-type: none">• Poor conductors of heat and electricity• Brittle• Non-ductile• No metallic luster• Solids, liquids, or gases at room temperature

Chemical Properties

Metals	Non-metals
<ul style="list-style-type: none">• Usually have 1 – 3 electrons in their outer shell• Lose their valence electrons easily	<ul style="list-style-type: none">• Usually have 4 – 8 electrons in their outer shell• Gain or share valence electrons easily

Metalloids: Properties between metals and non-metals.