

Not metallic. Dodecahedron form, red, glassy, conchoidal fracture, H=7.	Not metallic. 1 flexible cleavage plane (sheet), dark colored; brown streak.
Not metallic. Green, conchoidal fracture, glassy, H=7. Usually granular.	Not metallic. 1 flexible cleavage plane (sheet), light colored; white streak.
Not metallic. Glassy, conchoidal fracture, H=7. Hex. prism with point end.	Not metallic. Salty taste. H=2.5. Cubic form and cleavage.
Not metallic. Twinning. 2 cleavages at 90°.	Not metallic. H=2. 1 cleavage plane. Translucent.
Not metallic. Subparallel exsolution lamellae. 2 cleavages at 90°. Pink color.	Not metallic. Feels greasy or soapy. H=1. Opaque.
Not metallic. H=5.5. Dark green or black. 2 cleavages at 90°. (Looks like HB.)	Metallic. Cubic form, brassy color, and SG=5.
Not metallic. H=5.5. Dark green or black. 2 cleavages at 60° & 120°. Splintery fracture. Long prisms.	Metallic. Attracted to a magnet. SG=5.2. No cleavage.
Not metallic. Mottled green color. Smooth, curved surfaces.	Red streak. Metallic + nonmetallic. Earthy red.
Not metallic. Bubbles in HCL. Double refraction (2 images visible through clear sample). Rhombs, 3 cleavage planes (not 90°), H=3.	Metallic. SG=8. Dense! Silver cubes (form and cleavage).
Not metallic. Cubic or octahedral form. 4 directions of cleavage. Often has triangle-shaped edges due to cleavage. Surface luster contains rainbow refraction in place.	Metallic. Dark grey. H=1. Greasy. Dark grey streak.

<p>Mica family: Biotite $K(Mg,Fe)_3AlSi_3O_{10}(OH)_2$</p>	<p>Garnet $(Ca_3,Mg_3,Fe_3Al_2)_n(SiO_4)_3$</p>
<p>Mica family: Muscovite $KAl_3Si_3O_{10}(OH)_2$</p>	<p>Olivine $(Mg,Fe)_2SiO_4$</p>
<p>Halite $NaCl$</p>	<p>Quartz SiO_2</p>
<p>Gypsum $CaSO_4 \cdot 2(H_2O)$</p>	<p>Plagioclase Feldspar family: Anorthite and Labradorite $CaAl_2Si_2O_8$ to Oligoclase and Albite $NaAlSi_3O_8$</p>
<p>Talc $Mg_3Si_4O_{10}(OH)_2$</p>	<p>Potassium Feldspar family: Orthoclase and Microcline $KAlSi_3O_8$</p>
<p>Pyrite FeS_2</p>	<p>Pyroxene family: Augite $Ca(Mg,Fe,Al)(Al,Si)O_6$</p>
<p>Magnetite Fe_3O_4</p>	<p>Amphibole family: Hornblende $(Ca,Na)_{2-3}(Fe,Mg,Al)_5$ $Si_6(Si,Al)_2O_{22}(OH)_2$</p>
<p>Hematite Fe_2O_3</p>	<p>Serpentine $Mg_6Si_4O_{10}(OH)_8$</p>
<p>Galena PbS</p>	<p>Calcite $CaCO_3$</p>
<p>Graphite C</p>	<p>Fluorite CaF_2</p>