

Minerals with a **Nonmetallic Luster** (glassy, pearly, earthy, transparent)

<b>Mineral (formula)</b>	<b>Color</b>	<b>Streak</b>	<b>Hardness</b>	<b>Density (g/mL)</b>	<b>Crystal System</b>	<b>Breakage</b>	<b>Uses</b>
Bauxite (mixture of hydrous Al oxides)	Gray, red, white, brown	Gray	1-3	1.0 – 3.0	None	None	Source of aluminum, used in paints
Gypsum (CaSO <sub>4</sub> ·2H <sub>2</sub> O)	Colorless, gray, white, brown	White	2	1.0 – 3.0	Monoclinic	Cleavage	Used in preparation of Plaster of Paris, dry wall for building
Muscovite (KAl <sub>3</sub> Si <sub>3</sub> O <sub>10</sub> (OH) <sub>2</sub> )	White, light gray, yellow, rose, green	Colorless	2.5	1.0 – 3.0	Monoclinic	Cleavage	Used as an insulator in electrical equipment
Halite (NaCl)	Colorless, red, white, blue	Colorless	2.5	1.0 – 3.0	Cubic	Cleavage	Salt, very soluble in water; a preservative
Calcite (CaCO <sub>3</sub> )	Colorless, white, pale tints	Colorless. White	3	1.0 – 3.0	Hexagonal	Cleavage	Fizzes when HCl is added; frequently fluorescent
Fluorite (CaF <sub>2</sub> )	Colorless, white, blue. Green. Red, yellow, purple	Colorless	4	2.0 – 4.0	Cubic	Cleavage	Some are fluorescent, used in making steel
Orthoclase (KAlSi <sub>3</sub> O <sub>8</sub> )	Colorless, white to gray, green, yellow	Colorless	6	1.0 – 3.0	Monoclinic	Cleavage 2 planes meet at 90°	Different types make up over 60% of Earth's crust; manufacturing of ceramics
Augite (Ca(Mg,Fe,Al)(AlSi) <sub>2</sub> O <sub>6</sub> )	Dark green to black	Colorless	6	2.0 – 4.0	Monoclinic	Cleavage	Found in igneous rocks; square or 8 – sided
Quartz (SiO <sub>2</sub> )	Colorless, various colors	Colorless	7	1.0 – 3.0	Hexagonal	Fracture	Used in glass manufacture, electronic equipment
Garnet (Mg,Fe,Ca) <sub>3</sub> (Al <sub>2</sub> Si <sub>3</sub> O <sub>12</sub> )	Red, brown, black, Green	Colorless	7.5	2.0 – 4.0	Cubic	Fracture	Used in jewelry; a birthstone
Corundum (Al <sub>2</sub> O <sub>3</sub> )	Colorless, blue, brown, green, white, pink, red	Colorless	9	3.0 – 5.0	Hexagonal	Fracture	Transparent crystals used as gems called ruby red, sapphire blue; used as an abrasive