

Mohs Hardness Scale Tools	
10. Diamond	
9. Corundum	
8. Topaz	
7. Quartz	
6. Orthoclase	Streak Plate
5.5	Glass Plate
5. Apatite	
4.5	Steel Nail
4. Fluorite	
3.5	Copper Penny
3. Calcite	
2.5	Finger Nail
2. Gypsum	
1. Talc	

			Vitreous Luster, any color can occur. Conchoidal fracture, hexagonal crystals common, Hardness 7	Quartz	
			Barrel shaped hexagonal crystals, Hardness 9, Commonly brown	Corundum	
		Dodecahedron Crystal Balls	Color often dark red or reddish brown. Vitreous luster. Fracture may resemble poor cleavage, Hardness 7-7.5	Garnet	
		Green Sand Grains	Vitreous luster, commonly in granular masses (looks like sand grains), Hardness 6.5-7	Olivine	
	No Cleavage	Forms X-shaped crystals	Vitreous, resinous, or dull luster. Red-brown to brownish-black. Prismatic and X or cross shaped crystals	Staurolite	
		1 Direction	Blue Blades	Vitreous Luster, Light Blue. Hardness 5 parallel to crystal, 7 perpendicular. Blade shaped crystals	Kyanite
			Cleavage difficult to determine	Bluish green. Hardness 7.5-8. Elongate six-sided crystal prisms with flat ends common	Beryl
	Harder Than Glass	2 directions not at 90		Vitreous luster, dark green or black. Cleavage planes at 56 and 124 degrees.	Hornblende
				Vitreous to dull luster, black to dark green. Tends to look "blocky"	Augite
			Striations	Vitreous Luster, darker colors, hardness 6. Striations visible on cleavage face	Plagioclase (Ca-Plag)
		2 directions at 90	Dissolution lines	Vitreous Luster, light colors often, hardness 6. Dissolution lines visible	Plagioclase (Na-Plag)
				Vitreous Luster, Usually pink. Hardness 6.	Potassium Feldspar (K-Spar)
	Non-Metallic	Cleavage Next Page			
		Red-brown Streak	Strong red-brown streak	Earthy luster and strong red color	Hematite
		Yellow/ Light Brown Streak		Earthy Luster, found in earthy masses, Hardness 1	Limonite
		Light Yellow	Bright Yellow color	Resinous or vitreous luster. Bright yellow color. Hardness 1.5-2.5	Sulfur
		Light Green	Bright Bluegreen Color	Bright bluegreen/ green. Hardness 3.5-4. Occurs usually as tiny crystals. Often associated with azurite (bright blue)	Malachite
			Soapy Feel	Pearly to greasy luster. Pale shade of green and gray. Hardness 1. Soapy feel	Talc
		White Streak			
			Reacts with Acid	Earthy luster. Hardness 3.5-4. Reacts with HCl but only when powdered	Dolomite
	Softer Than Glass				

			Light Flakey Sheets	Vitreous luster. Colorless to light shades of green. Hardness 2-3. White streak	Muscovite
		1 Direction			
			Dark Flakey Sheets	Vitreous luster. Dark green, brown, and black. Hardness 2.5-3. White to grey streak	Biotite
Non Metallic	Softer than Glass	Cleavage		Vitreous luster. Green to greenish black. White to pale green. May have slippery feel	Chlorite
			Can Easily Scratch with Fingernail. Sometimes might have 3 Cleavages	Vitreous to pearly luster. Colorless to white. Hardness 2. Crystals common, found in columns and easy to scratch with fingernail	Gypsum
		3 Directions at 90	Tastes like Salt	Vitreous luster. Hardness 2.5. Perfect cubic cleavage. Tastes like salt.	Halite
		3 Directions not at 90	Reacts with Acid	Vitreous luster, white to grey streak. Many colors possible. Hardness 3. Reacts with acid.	Calcite
			Reacts with Acid	Vitreous to Pearly Luster. Many colors possible, white streak. Only reacts with acid when powdered	Dolomite
		4 Directions	Lights up under Fluorescent Light	Vitreous Luster, many colors possible. Glows in fluorescent light.	Fluorite
		No Cleavage	Magnetic	Black color. Hardness 5.5-6. No cleavage. Strongly magnetic.	Magnetite
	Black to grey streak	1 Direction of Cleavage, Difficult to see	Smudges fingers	Dark grey to black color. Hardness 1. Greasy feel and smudges fingers. Hardness 1	Graphite
Metallic		3 Directions of cleavage at 90	Perfect cleavage	Bright metallic luster. Shiny lead grey color. Hardness 2.5. Perfect cubic cleavage. Streak lead-grey. High specific gravity	Galena
	Green-black, or dark green streak	No Cleavage	"Fools Gold"	Brass-yellow color. Hardness 6-6.5. No cleavage. Cubic crystals common with striated faces. "Fool's gold".	Pyrite
		No Cleavage		Brass-yellow color, often tarnished to purple of bronze. Hardness 3.5-4	Chalcopyrite
	Red Streak	No Cleavage	Strong red-brown Streak	Steel-grey color. Hardness 5-6. Often breaks into thin sheets. Brittle	Hematite
	Yellow, brown, or white streak	No Cleavage		Yellow-brown to dark brown color, also maybe black. Hardness 5-5.5. Brittle	Limonite