

MINERAL IDENTIFICATION KEY

Mineral Name	Possible Colors	Streak	Hardness	Cleavage (how many planes) or Fracture	HEFT Light, Medium, Heavy	Luster Metallic/Non- Metallic	Other Properties
Fluorite	Green, yellow, purple	White	4	Cleaves	Medium	Vitreous (glassy)	
Biotite	Brown	None	2.5-3	Cleaves 1 plane	Light	Vitreous, glassy	Very flexible
Calcite	Clear to milky, orange, blue	White	3	Cleavage	Light	Glassy to earthy	Mineral takes a rhombic shape Reacts with acid
Feldspar	Gray, green orange	Colorless	6	Two planes of cleavage that meet at right angles	Light	Vitreous (glassy)	
Graphite	Grey	Grey	1.2	Cleavage	Light	Metallic to Dull	
Alabaster Gypsum	Pinkish-white, white, grey, reddish-brown	White	1.5-2 scratches with fingernail	Cleaves	Light	Pearly-Earthy	
Halite	Clear, white	None	2.5	Cleaves at right angles	Light	Transparent	Tastes salty
Hematite	Black, grey, reddish-brown	Reddish-brown	5.5-6.5	Fracture	Heavy	Metallic or rusty	
Magnetite	Grey-black	Black	6	Non cleavage, but octahedral parting	Heavy	Metallic	magnetic
Muscovite	Clear, white, light brown	Colorless, light brown	2-2.5	Cleaves in 1 plane	Light	Glassy to pearly	Flat flexible crystals
Pyrite	Golden-brassy, yellow	Greenish black	6-6.5	Fracture	Medium	Metallic	
Quartz	Clear, white, purple, rose, grey	None	7	No cleavage, but conchoidal fracture	Light	Vitreous (glassy)	
Satin Spar Gypsum	White, Grey	White	2	Fracture	Light	Silky	
Selenite Gypsum	Colorless	White	2	Cleaves into 1 plane	Light	Transparent	
Talc	White, green	White	1	Cleaves	Light	Pearly-greasy	Powdery-greasy feel