



**2011-2012
Rock Hound List**



The Following are rocks and minerals that might be used in the identification for “Rock Hound”:

Rocks:		
• Basalt	• Bituminous Coal	• Conglomerate
• Gneiss	• Granite	• Limestone
• Marble	• Obsidian	• Pumice
• Quartzite	• Sandstone	• Schist (garnet)
• Scoria	• Shale	• Slate
• Rhyolite		
Minerals:		
• Calcite	• Copper	• Feldspar (pink)
• Fluorite	• Galena	• Graphite
• Gypsum	• Halite	• Hematite
• Pyrite	• Mica-biotite	• Kaolinite
• Quartz (chert)	• Quartz (crystal)	• Talc
• Apatite	• Magnetite	• Muscovite
• Hornblende		

Attached to this list is the Moh’s Scale of Hardness that is used for the 5th Grade CST.

Mineral Identification Table

Mineral	Hardness	Luster	Streak	Color	Other
Calcite	3	nonmetallic	white	colorless, white	bubbles when acid is placed on it
Feldspar	6	nonmetallic	none	colorless, beige, pink	
Galena	2.5 – 3	metallic	gray	lead-gray	heavy for its size
Gold	2.5 – 3	metallic	golden yellow	yellow	used for jewelry
Graphite	1 – 2	metallic	black	gray to black	feels greasy
Hematite	5 – 6.5	metallic or nonmetallic	reddish brown	silver-gray or red	
Hornblende	5 – 6	nonmetallic	none	dark green to black	
Magnetite	6	metallic	black	black	magnetic
Mica	2 – 2.5	nonmetallic	none	dark brown, black or silver-white	flakes when peeled
Pyrite	6 – 6.5	metallic	greenish black	brassy yellow	called "fool's gold"
Quartz	7	nonmetallic	none	colorless, white, rose, smoky, purple, brown	
Talc	1	nonmetallic	white	white, greenish to gray	feels greasy

Mohs Hardness Scale

Mineral	Hardness
Talc	1
Gypsum	2
2.5 Fingernail	
Calcite	3
3.2 Copper Penny	
Fluorite	4
Apatite	5
5.5 Glass	
Feldspar	6
6.5 Steel File	
Quartz	7
Topaz	8
Corundum	9
Diamond	10