



Collect the following types of rocks on your rock hunt, then use the next page to identify the type of rock you found and rate it on the Mohs Hardness Scale

A Shiny Rock

Rock Type = _____

Mohs Hardness Scale Number = _____

A "Sandy" Rock

Rock Type = _____

Mohs Hardness Scale Number = _____

A Smooth Rock

Rock Type = _____

Mohs Hardness Scale Number = _____

A Colorful Rock

Rock Type = _____

Mohs Hardness Scale Number = _____

A Bumpy Rock

Rock Type = _____

Mohs Hardness Scale Number = _____

A Black Rock

Rock Type = _____

Mohs Hardness Scale Number = _____

A Rock with Layers

Rock Type = _____

Mohs Hardness Scale Number = _____

A Rock You Think is Beautiful

Rock Type = _____

Mohs Hardness Scale Number = _____



Using the hardness scale below and the following materials, test your rocks to find out what minerals are in them. Indicate its scale number on the previous page. You might need the following:

- Penny
- Small piece of glass
- Piece of unglazed tile
- File or pocket knife
- Small bottle of vinegar
- Eyedropper
- Your rocks you collected

Mohns Hardness Scale

Scale Number	Mineral Example	Scratch Test
1	Talc	Scratches easily with fingernail
2	Gypsum	Barely scratches with fingernail
3	Calcite	Barely scratches with copper penny
4	Fluorite	Scratches easily with file or knife blade
5	Apatite	Barely scratches with file or knife blade
6	Feldspar	Doesn't scratch with file or knife blade; scratches easily with glass
7	Quartz	Easily marks steel and hard glass
8	Topaz	Is harder than common minerals
9	Corundom	Scratches topaz
10	Diamond	Scratches corundum; hardest mineral