

Name _____ Class _____ Date _____

Combination Lab Sheet Chap 3
Classifying Minerals Pages 3,7 & 8

		Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7	Step 8
Mineral id letter	Mineral	Reaction with magnet	Reaction with vinegar	Crystal/shape	Cleavage/fracture	Color	Streak & Luster	Scratches which samples	Hardness rank
a	quartz								
b	calcite								
c	Hornblende								
d	magnetite								
e	Feldspar								
f	Galena								
g	Talc								
h	hematite								

Analysis

1. Describe how each mineral (letters a – d) reacted in steps 1 and 2

2. Describe some of the other physical properties of minerals a- d

Name _____ Class _____ Date _____

Classifying Minerals Pages 3,7 & 8

3. Evaluate -- Did you need all the information in the data table to identify a mineral, why or why not?
4. Explain --- which characteristics were easy to determine. Which were somewhat difficult.

Conclude and Apply:

1. Were some characteristics more useful than others, which and why?
2. Would you be able to identify minerals in the field after doing this activity.
3. Which characteristics would be easy to determine on the spot? Which would be difficult?
4. Describe how your actions in this lab are similar to those of a scientist.
5. What have chalk and calcite got in common? Why do they both bubble with acid. What kind of rocks are they?

Name _____ Class _____ Date _____

Classifying Minerals Pages 3,7 & 8

Draw a simple picture which helps to visualize each rock, you may add a written visual description
