2 Mineral Identification

The following terms will help with mineral identification. We'll watch a video together, so keep these terms in mind.

On the following page are tables to complete for mineral identification. Generally, the process follows these steps:

Luster: metallic or non-metallic?

Hardness: Greater or less than 5.5?

Streak: What color?

Special identifying characteristics: magnetic, tastes salty, heavy, layering, crystal form, cleavage?

Mineral Identification Sheet								
Item Number	Luster	Hardness	Mineral Color	Streak	Cleavage/ Fracture	Diagnostic Property	Key Chemical Elements	Mineral Name
1								
2								
3								
4								
5								
6								
7								
8								
9								

Mineral Identification Sheet (continued)								
Item Number	Luster	Hardness	Mineral Color	Streak	Cleavage/ Fracture	Diagnostic Property	Key Chemical Elements	Mineral Name
10								
11								
12								
13								
14								
15								
16								
17								
33								

Out-of-Class Assignment

By the end of lab, you should know the answers to the following questions. Print this page, answer the questions, and turn it in at the beginning of next week's lab.

Physical Properties: Define the following:

Luster:

Streak:

Cleavage/Fracture:

Relative hardness ranked 1 (softest) to 5 (hardest)

fingernail _____

calcite _____

gypsum _____

quartz _____

glass _____

Special ways of distinguishing the following minerals:

calcite:

galena:

graphite:

gypsum:

halite:

hematite:

magnetite:

malachite:

mica:

pyrite:

quartz versus feldspar: