

Name _____ Lab _____

Homework Assignment #1: "Dept. of Geo Sci. website search"

Assigned: Week of Feb. 11-15

Due: Week of Feb. 25-29

MY DUE DATE: _____

Directions: Go to the Dept. of Geosciences home page at <http://www.uwm.edu/Dept/Geosciences/> and answer the following questions.

Part A: Minerals and Rocks

Click on the [Geology 100 Website](#) and then go to *Mineral and Rock Identification* Section. This section features four links to photos and information about the minerals and three major types of rocks, to serve as a study resource for you to 'observe' specimens outside of lab class. You'll want to click on four tabs at some point to discover what specimens and resources are available to you for viewing, but for this assignment, you'll need to click on just the *minerals* or *igneous rocks* tabs to answer the following 7 questions:

1. What is the hardness of *quartz*? _____ *calcite*? _____
2. Which one of these minerals (*quartz* or *calcite*) will fracture along irregular surfaces _____ and which one will break along 3 cleavage planes at oblique angles _____?
3. The mineral *fluorite* is found in a variety of colors, however one of the most common colors is the color shown in specimens No. 2 through No. 5. What color is this? _____
4. What term is used to describe a "very fine grained" igneous rock texture? _____
5. What mineral gives *granite* its characteristically pink color? _____
6. The mineral *halite* tastes like, and is, _____.
7. Besides *quartz* and *feldspar*, list two other minerals (of the four listed) that are commonly found in igneous rocks. _____

Part B: Greene Geological Gallery

Going back to the Dept. of Geosciences home page, now click on [The Thomas A. Greene Mineral and Fossil Museum](#), then [Virtual Tour](#), and then either [Click Here to See the Minerals](#) or [Click Here to See the Fossils](#) to answer the last few questions. Note: While you are at this web link, check out some of the other photos of minerals and fossils on display in the Greene Geological Gallery.

8. The mineral *corundum* is commonly used as an abrasive, but if found in gem quality specimens, it is more commonly know as the gems _____ or _____.
9. What country was the *iron* meteorite sample on display found in? _____
10. What state was the Silurian-age *trilobite* fossil on display found in? _____