

# Geology 101L Exam 01 Study Guide

Instructor: M. Pesses

1. Definition of a mineral
2. What is luster and how do geologists use it?
3. Is color useful for mineral id?
4. Know the Mohs scale of hardness. What is the value of a fingernail, a penny, a glass plate, and a steel file?
5. Explain cleavage
6. Explain and know how to test for streak and specific gravity
7. Know the special properties of minerals like calcite, halite, sulphur, galena, and magnetite
8. Review the minerals we identified in class
9. What is the definition of a rock?
10. What is the rock cycle?
11. Explain how igneous rocks form. What are the differences between intrusive and extrusive rocks? What clues do we look for when trying to distinguish between those two types?
12. What are the different types of sedimentary rocks and how do they form?
13. What is foliation in metamorphic rocks?
14. How can we use HCl acid to test for specific rocks and minerals?
15. Know the main textures for identifying different rocks (e.g. Phanertic, aphanitic, glassy, clastic, foliated, etc.)

*Students may bring their rock and mineral ID flowcharts from the lab manual and one 3"x5" index card of notes. These items must be turned in with the exam.*