

Tentative Test Date: _____

👉 IMPORTANT NOTE 👉

Study guides are not graded and we do not review them in class.
Study guides are not meant to completely prepare you for the test.
Study guides will *guide* you in the right direction to *begin* preparing for the test.
To completely prepare for the test you should review your notes, homework,
notes review sheets, warm-ups, activities, labs, and any readings.

Student Objectives

Your test is to see how well you meet the objectives. There will be questions for each objective on the test. How you respond to these questions will determine your grade. Below are all the objectives for this unit.

As a result of this student, the student will be able to:

- Explain the difference between rocks and minerals.
- List the uses of rocks.
- Name and describe the three types of rocks.
- Describe how scientists classify rocks
- Describe how igneous rocks form.
 - Explain why igneous rocks formed at Earth's surface are different from those formed within Earth.
- List and describe the ways igneous rocks are classified.
 - Recognize why silica content is important in classifying igneous rocks.
- Classify sedimentary rocks by their composition.
- Describe how each type of sedimentary rock forms.
- List and describe the three major types of sedimentary rock.
- Describe how metamorphic rocks form.
- Explain the affect each change-causing factor can have on rocks.
- Explain foliation and how it occurs.

If you can successfully demonstrate you can meet these objectives, you will be ready for the test!

Resources

The following resources will be very helpful in beginning to prepare for the test. You should also review your labs, homework assignments, activities, and review sheets.

Resources (con't.)**Notes:**

- Rock Classification
- Igneous Rock
- Sedimentary Rock
- Metamorphic Rock

Reading:

- Chapter 5, Section 1
- Chapter 5, Section 2
- Chapter 5, Section 3
- Chapter 5, Section 5

Sample Questions

Listed below are several sample questions. If you have trouble answering these, you should review the content it is from. **Remember:** Just because you can answer these questions does **not** mean you are ready for the test. Answer these questions on a separate sheet.

1. What are the differences between a rock and a mineral? Why is a rock made mostly of one mineral (called monominerallic) not considered a mineral?
2. Give an example of one rock from each of the major rock groups and state their industrial use. (Ex: Granite (igneous) is used in countertops.)
3. List the three rock categories and briefly describe each.
4. What is texture? How is it used to classify rocks?
5. How does igneous rock form?
6. How do scientists classify igneous rock?
7. How does an igneous rock's origin affect its appearance/size of grain? Why?
8. What is a sedimentary rock? How are they classified?
9. How does each classification (type) of sedimentary rock form?
10. What is each classification (type) of sedimentary rock made of?
11. Why are chemical sedimentary rocks not considered minerals?
12. What is metamorphic rock? How does it form?
13. How do heat, pressure, and chemically active fluids cause change in rocks?
14. What is foliation? How does it occur? Why might a metamorphic rock be nonfoliated?
15. What are some characteristics that would let you know if a rock is sedimentary, igneous, or metamorphic? (Ex: sedimentary rock may contain fossils.)