

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:

- Compare and contrast acids and bases
- Identify substances as an acid or base
- Know the characteristics of minerals and know what minerals are
- Group minerals and know the characteristics and examples of each group
- Know the properties of a mineral and how they are used to identify a mineral
- Identify unknown mineral samples

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

**What you can expect on the test**

1. T/F questions
2. Multiple choice questions
3. Matching (ex: definitions)
4. Labeling, drawing, reading diagrams
5. A lab portion
6. Short answer/fill-in-the-blank

This test will be in two parts. Part one will have you identify unknown mineral samples using what we learned in class. You will work with your group but turn in your own answers. The second test will be the written test and very similar to your last test. There will be parts of the written test where you will be asked to look at mineral samples and determine information about liquid solutions.

### Sample Questions

Listed below are several sample questions. If you have trouble answering these, you should review the content it is from. **Remember:** These are just example questions to help you study. You still need to review your notes, readings, activities, etc. These questions alone will not prepare you for the test.

1. What are some characteristics of acids?
2. Below what pH are acids?
3. What are some characteristics of bases?
4. Above what pH are bases?
5. How do you know if a substance is an acid or base?
6. What are the four characteristics all minerals have?
7. What are the differences between a rock and mineral?
8. How do scientists group minerals?
9. What are some mineral groups?
10. Which elements are found in each mineral group?
11. Which mineral group reacts with acids?
12. Which mineral group can we obtain metals from?
13. List the mineral properties.
14. Which properties stay consistent for a mineral?
15. What are the categories of luster?
16. How do you find streak?
17. What is mass? What is volume?
18. How are mass and volume used to find density?
19. What happens to an object's density if you cut it in half, thirds, fourths, etc.?
20. What is mineral hardness? How do you find it?
21. What are some special mineral properties?