

Unit B Study Guide

This guide is meant to help you study for the test and is NOT meant to give you all the answers you need for the test. USE YOUR BRAIN (and your notes... and your textbook) and think about what you learned during this unit about rocks and minerals.

1. What are rocks made of? One or more minerals

2. What are some things you could do to identify a mineral? (Think of the tests we did on calcite.)

- Color Size
- hardness Cleavage/Fracture
- Luster Transparency
- Streak
- Density

3. Rocks can break down into _____.

A. wood

B. sediments

C. water

4. New rocks form over _____.

A. time

B. water

C. money

5. True or False: Rocks can change from one type to another.

6. What does the rock cycle tell us about rocks? That rocks can change over time from type to type

7. There are 3 words we use that tell us how to identify rocks based on how they were formed. What 3 words do we use to name the types of rocks?

- Metamorphic
- Igneous
- Sedimentary

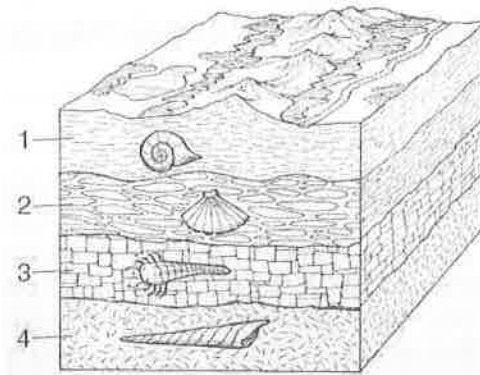
8. How are sedimentary rocks formed? sediment
collected in layers and put under pressure

9. How are igneous rocks formed? by cooling of
magma

10. How are metamorphic rocks formed? extreme heat
and pressure

11. If two fossils were found in the same rock layer, what does that tell you about how old they are? that the fossils
are about the same age

12. Look at the picture below.



Which fossil is the youngest? How do you know? The fossil
in layer 1, because the oldest
layers/fossils are farther down.
Oldest is on the bottom

13. Use the table to answer the questions below.

	Calcite	Quartz
Color	Colorless, white, pink, blue	Colorless, white, pink, blue
Streak Color	White	White
Hardness	3	7

Based on the table above, which mineral is the hardest?

A. Calcite

B. Quartz

C. They're the same hardness.

Which mineral could scratch the other?

A. Calcite could scratch quartz.

B. Quartz could scratch calcite.

C. They could not scratch each other.

Which property would be the most useful to tell calcite and quartz apart? Circle one: color streak color hardness

Explain why you chose this property. because quartz is harder than calcite

Explain why you did not choose the other properties. The other properties are too similar to one another