

## Chapter 8 Rocks and Minerals Study Guide

*Know the definitions of the following vocabulary words:*

Mineral - \_\_\_\_\_

Luster - \_\_\_\_\_

Sediment - \_\_\_\_\_

Sedimentary Rock - \_\_\_\_\_

Igneous Rock - \_\_\_\_\_

Metamorphic Rock - \_\_\_\_\_

Streak - \_\_\_\_\_

*Know the following:*

Name 5 things a scientist looks at to identify a mineral (240) 1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

How does a scientist test a mineral's hardness? (240) \_\_\_\_\_

What is the name of the scale used to determine a mineral's hardness? (240) \_\_\_\_\_

Mohs Scale goes from 1 to 10. A 1 means the rock is \_\_\_\_\_ and a 10 means the rock is \_\_\_\_\_. (240)

What is the hardest mineral according to Mohs Scale? (240) \_\_\_\_\_

Limestone is an example of \_\_\_\_\_ rock. (243)

Fossils are found in \_\_\_\_\_ rock. (244)

Sedimentary rocks are made up of \_\_\_\_\_. (242)

Granite is a type of \_\_\_\_\_ rock. (247)

Metamorphic rocks can form from \_\_\_\_\_, \_\_\_\_\_, and other \_\_\_\_\_ rocks. (248)

The recycling of old rock into new rock is an ongoing process known as \_\_\_\_\_ (248)

If a rock melts, it becomes what kind of rock? (246) \_\_\_\_\_

Name 3 things a fossil gives clues to scientists about. (244-245)

1. The types of \_\_\_\_\_ and \_\_\_\_\_ that lived at a certain \_\_\_\_\_ in \_\_\_\_\_.
2. Show that Earth's \_\_\_\_\_ and \_\_\_\_\_ have changed.
3. Help determine the \_\_\_\_\_ of a \_\_\_\_\_.

What forms when small pieces of rock break off of larger ones? (243) \_\_\_\_\_

List at least 6 things soil contains. (243)

- |          |          |
|----------|----------|
| 1. _____ | 5. _____ |
| 2. _____ | 6. _____ |
| 3. _____ |          |
| 4. _____ |          |