



DATE	HOMWORK
Monday	→ Complete “Rocks and Minerals Study Guide” due Monday 11/6 to review in class
Tuesday	→ Complete “Rocks and Minerals Study Guide” due Monday 11/6 to review in class
Wednesday	→ Complete “Rocks and Minerals Study Guide” due Monday 11/6 to review in class
Thursday	→ Complete “Rocks and Minerals Study Guide” due Monday 11/6 to review in class
Friday	→ Complete “Rocks and Minerals Study Guide” due Monday 11/6 to review in class

### Reminders

-Rocks and Minerals Test, Tuesday, 12/7

-HW due Monday 12/6

-Please complete homework on Goodnotes and upload to Archie.

### SCIENCE VOCABULARY

**Magma:** rock that has been melted deep within the Earth where the temperature is extremely high (molten rock)

**Lava:** magma that reaches the Earth's surface

**Igneous rock:** formed when molten rock is cooled

**Metamorphic rock:** from when igneous and sedimentary rocks are exposed to extreme heat and pressure

**Sedimentary rock:** made up of smaller pieces of rocks and fossilized organisms such as: sand, shells, and the remains of plants and animals

**Hardness:** determined by a mineral's resistance to being scratched

**Color:** a physical property that is not very useful in identifying minerals

**Luster:** describes the way light is reflected from its surface

**Cleavage:** occurs when a mineral breaks along a smooth, definite line

**Streak:** powder color of a mineral left behind when the mineral is rubbed against a streak plate or a porcelain tile

# Minerals Review/Study Guide

**Directions: Use your notes to answer the following questions**

1. Rocks are formed from \_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_ = ROCKS!
2. Molten rock is called \_\_\_\_\_.
3. \_\_\_\_\_ is rock that has been melted deep within the Earth where temperature is extremely high or as a result of an erupting volcano.
4. \_\_\_\_\_ is magma that reaches the Earth's surface.
5. What kind of rock is formed from the cooling of magma or lava? \_\_\_\_\_  
Name an example of this type of rock \_\_\_\_\_
6. What is the process by which one rock type changes into another?  
\_\_\_\_\_
7. When sand, shells, and the remains of plants and animals are compressed and cemented together, it forms \_\_\_\_\_. Name one example of this type of rock. \_\_\_\_\_.
8. Metamorphic rocks are formed when \_\_\_\_\_ and \_\_\_\_\_ are exposed to extreme heat and pressure. Name an example of this type of rock. \_\_\_\_\_

**9-14. Directions: Use the "Rock Cycle to answer the questions.**

9. How can Igneous rock be changed into sedimentary rock?  
\_\_\_\_\_
10. How can sedimentary rock be changed into igneous rock?  
\_\_\_\_\_
11. How can sedimentary rock be changed into metamorphic rock?  
\_\_\_\_\_
12. How can igneous rock be changed into metamorphic rock? \_\_\_\_\_
13. How can metamorphic rock be changed into sedimentary rock?  
\_\_\_\_\_
14. How can metamorphic rock be changed into igneous rock?  
\_\_\_\_\_

**Directions: Answer the following questions or fill in the blanks**

15. What are some of the common characteristics used to classify minerals?  
\_\_\_\_\_
16. Name the most common minerals.  
\_\_\_\_\_

17. To determine \_\_\_\_\_, one mineral is rubbed against another to see if it will result in being scratched.
18. \_\_\_\_\_ is determined by the way a mineral looks and describes how light is reflected from its surface.
19. \_\_\_\_\_ can be described as perfect, good, imperfect, distinct, indistinct, or poor.
20. Many minerals exist in different \_\_\_\_\_ and some minerals are identical in \_\_\_\_\_ to others.
21. Name adjectives that are used to describe a mineral's luster.  
\_\_\_\_\_
22. Name a mineral that will leave a black streak color. \_\_\_\_\_
23. Name some minerals that will leave a white streak color \_\_\_\_\_
24. Name a mineral you use every day in school. \_\_\_\_\_
25. \_\_\_\_\_ is the softest mineral on Earth, while \_\_\_\_\_ is the hardest natural substance on Earth.