

Name _____ Period _____

6.6C and 6.10B Minerals, Rock Cycle, Layers of Earth STUDY GUIDE

(Quiz on _____)

Parent Signature _____

A-day: 4/24

B-day: 4/25

1. What are 4 physical properties of minerals?

Color, Luster, Streak, Hardness

2. How do we test a mineral's hardness?

You use a fingernail, penny, glass, & iron nail to scratch the sample

3. Mohs Scale—minerals that are harder have a higher number than softer minerals

4. Streak -- the color of a mineral in powdered form

5. How do we determine a mineral's color in powdered form?

Rub the mineral on a streak plate

6. Luster --how the surface reflects light

7. Explain high luster vs. low luster.

Reflects a lot of light → Reflects little to no light

8. What type of rock is formed by exposure to extreme heat and pressure?

Metamorphic

9. What type of rock is formed by weathering, erosion, and compaction?

Sedimentary

10. What type of rock is made up of tiny pieces of other rocks?

Sedimentary

11. What type of rock is formed by rock melting deep below the surface of Earth then resurfacing as lava?

Igneous

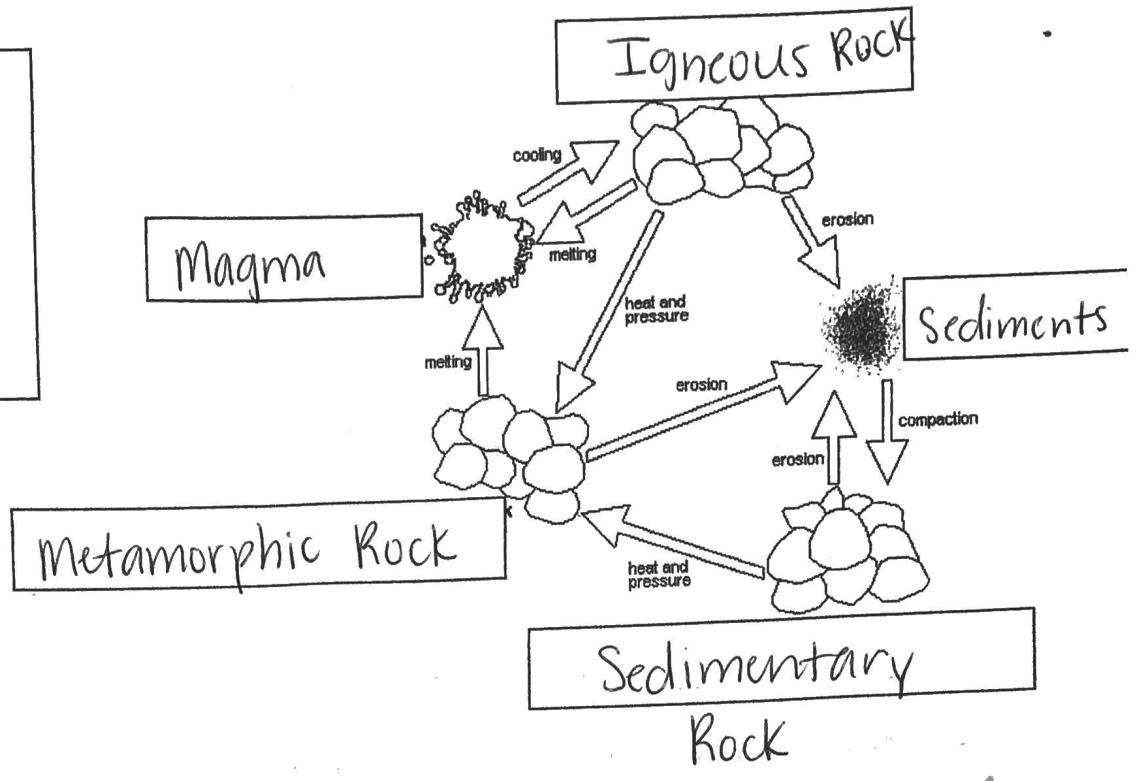
The Rock Cycle Word Bank

Igneous Rock

Magma

Metamorphic Rock

Sediment



Layers of Earth

3 Compositional Layers

1. Core
2. Mantle
3. Crust

5 Physical Layers

1. Lithosphere
2. Asthenosphere
3. Mesosphere
4. Outer core
5. Inner Core