

## Quiz 1.2

1. A series of processes on Earth's surface and in the crust and mantle that slowly changes rocks from one kind to another is called
  - a. the rock cycle
  - b. crystallization
  - c. erosion
  - d. evaporation
2. Which rock is formed by the process where sediments are pressed together under weight over the overlying water can be called (like a trash truck)
  - a. igneous
  - b. metamorphic
  - c. intrusive
  - d. sedimentary
3. Most of the rocks in Paulding County are not sedimentary. Why is this true?
  - a. There are no volcanoes
  - b. There are no deep lakes
  - c. There are no mines
  - d. We are not close to an ocean

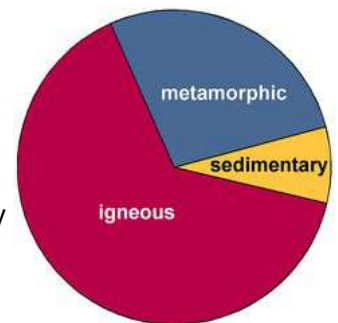
4. The rock in this picture shows a rock formed by intense heat and pressure. This rock should be classified as



- a. banded.
  - b. igneous.
  - c. metamorphic.
  - d. sedimentary.
5. Five hundred million years ago, basaltic lava flowed in an area now known as Monticello, the historic home of Thomas Jefferson. Some of this rock has since re-crystallized under intense heat and pressure and then has been eroded by wind and rain. The order of the rock cycle in this case is
    - a. metamorphic, igneous, sedimentary.
    - b. igneous, sedimentary, metamorphic.
    - c. igneous, metamorphic, sedimentary.
    - d. metamorphic, sedimentary, igneous.
  6. A rock has alternating layers of dark and light colors. The rock has visible quartz crystals and does not contain any fossils. Where was this rock MOST LIKELY formed?
    - a. A river bed
    - b. On the ocean floor
    - c. Deep under the earth
    - d. In an active volcano
  7. You are crossing a river and your feet keep getting hit with pebbles and small rocks. This is an example of what?
    - a. deposition
    - b. erosion
    - c. sedimentation
    - d. compaction

8. Ms. Jones is teaching her class about rocks and minerals. She holds up a chocolate chip cookie and explains that the cookie is like a rock. Next she points to the different colored chocolate chips. What do the chocolate chips represent?

- a. Fossils
  - b. Gems
  - c. Minerals
  - d. Rocks
- a. Metamorphic
  - b. They are all equal
  - c. Igneous
  - d. Sedimentary



9. According to the pie chart, which type of rock is the most common?
  - a. Metamorphic
  - b. They are all equal
  - c. Igneous
  - d. Sedimentary
10. Hot air balloons work on the principle of heated air rising and air sinking or falling as heat is taken away. This is true because of \_\_\_\_\_.
  - a. Compaction
  - b. Density
  - c. Erosion
  - d. Weathering

