

# Rocks and Minerals Textbook Response

Using pages 354-368, answer the following questions. They are in order! (File on the weebly!)

## Minerals and Mineral Identification

1. What is rock made up of?
2. What is a mineral made up of? (there are two options provided, provide an example of each)
3. What is the Mohs Hardness scale? Who created it, and what scale does he use?
4. What is the hardest mineral, and what is the softest?
5. What are the building blocks of minerals? What kind of shapes do they grow into?
6. How is lustre used in mineral identification?
7. How is colour used in mineral identification?
8. How is a streak used in mineral identification?
9. What is the difference between cleavage and fracture in mineral identification?

## Rocks and the Rock Cycle

10. What are the three major groups of rock types? Why are they grouped that way?
11. How does igneous rock form?

12. What is the definition of magma?
13. What is intrusive rock?
14. What is extrusive rock?
15. How much of the rock we see on the earth's surface is sedimentary rock? What is it made up of to make it? What are the visible layers called?
16. How is sediment turned into sedimentary rock? Why? What is this called?
17. What is cementation? What is a common example of a rock that is created through cementation?
18. Below, draw a diagram of the difference between compaction and cementation.
19. How is metamorphic rock made? Provide an example.
20. Does the rock cycle ever end? Explain why or why not.
21. Recreate the drawing of figure 5.19 below.