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Experiment: The Rock Cycle
(E. Science 9-4-1b)

Purpose: To understand and visualize the components of the rock cycle.

Materials: science video 16 "The Rock Cycle"

1. What is the rock cycle defined as?
2. What are the three basic families of rocks?
 - a.
 - b.
 - c.
3. What are the three characteristics of the first sample of rocks the person examined.
 - a.
 - b.
 - c.
4. What is crystallization?
5. How is basalt rock crystals different than granite?
6. What does igneous rock literally mean?
7. What is weathering of rocks?
8. Sediments are the result of erosion. What is the range of size of sediments?
9. As the rocks travel down the stream what happens to the general appearance of the jagged rock?
10. What is deposition of sediments?
11. Is the oldest or the youngest layer of sediments on top?
12. What is lithification?
13. What is conglomerate?

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14. What does metamorphic rock mean?
15. What is the parent rock of gneiss?
16. What does the conglomerate rock become during the metamorphic process?
17. What is the theory of plate tectonics?
18. What starts to happen to mountains the moment they are formed?
19. What happens when plates separate?
20. Is the rock cycle a simple cycle or a group of interacting events?
21. Are rocks capable of changing?