

Name _____

Earth Science- Computer Lab- **NOTES ON ROCKS AND THE ROCK CYCLE**

Go to the following site: <https://www.learner.org/series/interactive-rock-cycle/> Click on **Begin with Types of Rocks**

Define the following:

1. Sedimentary Rocks:

2. Give examples of sedimentary rocks:

3. Metamorphic Rocks:

4. Give examples of metamorphic rocks:

5. Igneous Rocks:

6. Give examples of igneous rocks:

7. List six key characteristics that can help you identify one main rock group from another:

a.

b.

c.

d.

e.

f.

Click on Next: Start your rock collection. Play the interactive and define the following as you go through the tutorial. Make sure you add all the rocks to your collection.

8. Gneiss (foliated metamorphic rock):

9. Marble (nonfoliated metamorphic rock):

10. Limestone (nonclastic sedimentary rock):

11. Basalt (extrusive, mafic igneous rock):

12. Obsidian (extrusive, felsic igneous rock):

13. Conglomerate (clastic sedimentary rock):

Now click on identify rock types and complete the activity. Record your score: ____/10. Move on to the next chapter.

14. What type of rock would most likely contain fossils?

15. What rock type can have layers (foliated)?

16. Which rock type can be glassy?

Click on How Rocks Change (animations may not work)

17. When an igneous rock (or any rock for that matter) is exposed to heat and pressure so its properties change, what rock does it now form?

Click on next.

18. **TRUE/FALSE.** Fully melted rocks turn into a substance called magma (or lava).

19. When lava cools quickly on Earth's surface, a _____ igneous rock is formed.

Click next.

20. How does sediment form? What agents cause this to occur?

21. Explain the process that causes sediment to form sedimentary rock.

Click on Transform the Rock. Play the game and record your score. ____/18

Go to the Rock Cycle Diagram. Understand the diagram and how rocks can change into other rocks. Roll your mouse over the diagram and add to your definitions of the rock types above if needed.

22. How do sedimentary rocks become metamorphic rocks?

23. How do igneous rocks become sediment?

Click on Complete the Cycle. Your score: ____/10.

Go to the Final Chapter. When it asks for your name, make up one (don't use your given name). Score: ____/15

Below, write out any questions that you may still have about the rock cycle.