

Name _____ Date _____ Block _____

Rocky Road Webquest

Site 1: Rock Cycle

1. What are the three main types of rocks?
2. How does a sedimentary rock turn into a metamorphic rock?
3. How does an igneous rock turn into a metamorphic rock?
4. How do metamorphic rocks change into sedimentary rocks?
5. How do igneous rocks change into sedimentary rocks?
6. What is the beginning of the rock cycle? The end?

Site 2: Rock Cycle Animation

7. Quick cooling forms many small what?
8. When you look at the desert monuments, what eroded away?
9. The microscopic view of sandstone contains what two components?
10. What two things are needed to turn igneous rock into metamorphic rock?

Site 3: Rock Characteristics

11. 11. List and define the 6 key characteristics that can help you identify rocks within the three main classes.
 - a.
 - b.

- c.
- d.
- e.
- f.

Site 4: Rock ID Key

12. For igneous rock, when magma cools slowly the crystals...
13. For igneous rock, when magma cools quickly, the crystals...
14. Of the types of igneous rock formed underground, which one is most familiar?
15. When looking at sedimentary particle size, which material type has the largest particles and which has the smallest particles?
16. Which metamorphic rock forms under the highest temperature and highest pressure?

Site 5: Mystery Rocks

17. How much of earth's surface is made of sedimentary rock?
18. Give 4 examples of sediment that might eventually become sedimentary rock.
 - a.
 - b.
 - c.
 - d.
19. What caused the appearance in the sedimentary rock in picture B?

Site 6: Volcano World

20. _____ is one of the most active volcanoes on earth. It is a _____ volcano located in Italy.
21. The largest number of casualties for a volcanic eruption in this century occurred by the eruption of _____. It is a _____ volcano.
22. _____ is a volcano 40 miles southeast of Mexico City. It is a _____ volcano.
23. _____ is the tallest volcano in the Hawaiian Islands. It is a _____ volcano.
24. _____ is a volcanic field located in Mexico. They are _____ volcanoes.
25. Pompeii was buried by _____ in 79 AD. It is a _____ volcano.
26. _____ is an extinct volcano in the Andes Mountains.
27. The most active volcano in all of Mexico is _____. It is a _____ volcano.
28. Erupting at least 16 times _____ is located in _____. It is a _____ volcano.
29. One of the highest volcanoes in central America is _____. It is a _____ volcano.
30. _____ is Hawaii's largest volcano. It is continually erupting. It is a _____ volcano.
31. An active volcano in Mexico, _____ was formed in 1982. It is a _____ volcano.
32. Scientists have watched _____ since its birth in 1943. It is a _____ volcano.
33. _____ is an extinct volcano in Tanzania.
34. The Aztecs named _____ volcano the "Smoking Mountain". It is a _____ volcano.

