**Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Period\_\_\_\_\_Date\_\_\_\_\_\_\_\_\_\_\_**

**Geology Chapter 13 Review**

1. **What is the time frame of the Precambrian Era?**
2. **Why do most Precambrian rocks do NOT contain fossils?**
3. **What are the most common Precambrian fossils called?**
4. **Much of what we know about Precambrian rocks comes from what?**
5. **What is the MAJOR difference between earth’s early atmosphere and the atmosphere of today?**
6. **How did plants help evolve the atmosphere?**
7. **What is Gondwana? What time periods did it exist as Gondwana exclusively near the south pole?**
8. **What was the first large organism on earth?**
9. **Early Paleozoic life was restricted to the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
10. **What two landmasses formed Pangaea?**
11. **Which time period is known as the age of the fishes?**
12. **Why did amphibians become the dominant animal type in the Late Paleozoic Era?**
13. **How much of the marine life was wiped out by the Great Paleozoic Extinction?**
14. **Name one possible cause of the Great Paleozoic Extinction?**
15. **What was a major event of the Mesozoic era?**
16. **Which adaptation allowed gymnosperms to become the dominant plants during the Mesozoic era?**
17. **The Mesozoic era is known as the age of the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
18. **During which time era was the Rocky Mountains formed?**
19. **During which time era was the Western US coal and other natural resources formed?**
20. **What adaptation made reptiles dominant over the amphibians?**
21. **What are some examples of reptiles that have survived to recent times since the Mesozoic?**
22. **What caused the extinction of the dinosaurs?**
23. **Which died first in the Mesozoic? Carnivores or herbivores?**
24. **Cenozoic is known as the age of the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
25. **How much time does the Cenozoic era encompass?**
26. **What are the two periods of the Cenozoic era?**
27. **Why did angiosperms take over plant dominance in the Cenozoic era?**
28. **What are some adaptations that made mammals the dominant animal?**
29. **During what epoch did the last Ice age occur?**
30. **Why did large mammals most likely became extinct?**
31. **How old are the oldest rocks found in New Mexico?**
32. **How old is Shiprock?**
33. **In what era was Shiprock formed?**
34. **In what time era(s) was New Mexico submersed under water at some point?**
35. **Which era spans the least amount of time on the geologic time scale?**
36. **Humans first appeared in the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ period**
37. **How much time is made up by the Cenozoic, Mesozoic, and Paleozoic time eras?**
38. **In which time era would you most likely find the MOST fossils?**
39. **Out of the following which came first: Devonian, Pleistocene, Jurassic, Triassic?**
40. **In what time era & period were mammals first documented?**
41. **What is a shield?**
42. **Why did it take so long for oxygen to accumulate even after plants were going through photosynthesis?**