

1. List the layers of the Earth and their characteristics
2. Which crust is the densest? (oceanic or continental)
3. Why is the Inner Core solid?
4. What is the cause behind our magnetic field?
5. The core of the Earth is composed of what elements?
6. What is the boundary between the Crust and Mantle?
7. Temperature and pressure _____ as you go further into the Earth.
8. Who was the scientist that came up with the idea of Continental Drift?
9. What was his evidence that he used?
10. Define the Theory of Plate Tectonics
11. What was the name of the last supercontinent?
12. What causes the shifting of the plates?
13. How many **major** plates is the Earth divided into?
14. How does magnetism help prove sea floor spreading?
15. What are the NC Mountains called? When did they form?
16. Which region of NC do you live in?
17. What is the landscape like in this region?
18. What is the fall zone?
19. What are the coastal plains? What created them?
20. What major NC events occurred in the past 500 m years?
21. What three types of tectonic plate boundaries exist?
22. What features are found at a convergent boundary? Divergent boundary? Transform boundary?
23. What is ridge-push? Slab-pull?
24. What drives the movement of the plates?
25. Where is crust created? Destroyed?
26. What are the three types of stress?
27. What are the three ways the crust is exposed to stress?
28. What is a fold? Fracture? Fault?
29. Draw Anticline/Syncline.
30. What are your different types of faults? Which stress causes each?
31. Which stress and fault is found along the San Andreas?
32. Where are the three types of volcanoes?
33. Which type of lava is associated with explosive volcanoes?
34. What are three types of eruptions?
35. What are three types of volcanoes?
36. What type of Volcano is associated with erupting once?
37. Which type of volcano tends to be most violent?
38. Define Pyroclastic Material and lahar flows
39. What does the Richter scale measure?
40. How much stronger is an 8.0 than a 7.0?
41. What is a p-wave? S-wave? L-wave?
42. Which Earthquake waves are the slowest? Fastest?
43. How do you locate an Earthquake?
44. Where in the world are most earthquakes located?
45. Describe the Elastic Rebound Theory.
46. What instrument records and detects earthquakes?
47. Define epicenter and focus.
48. What are the 5 types of mountains? How is each formed? Give one example of each.

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