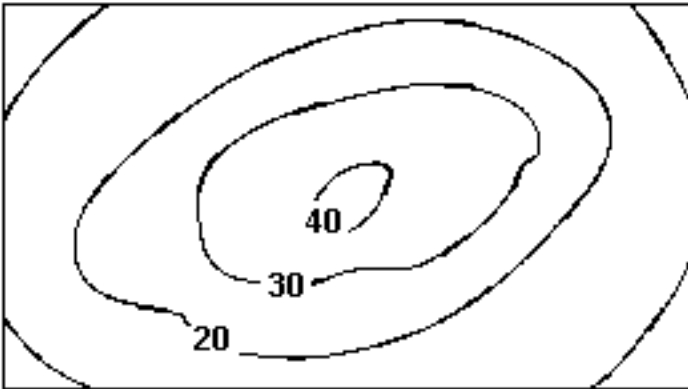


Name: _____

Midterm Study Guide

Complete the following:

1. Compare and contrast longitude and latitude. What is the difference between Prime Meridian and Equator?
2. What is the most important rule to follow in the lab?
3. What are contour lines, and how are they read on a Topographic map.
4. Identify the contour interval for the following Map. What is the highest point on this map? What is the highest possible point on this map? What is the difference between the highest point and the highest possible point and how do you know?



5. Name the 3 rock types and how they are formed and classified.

Igneous Rock	Sedimentary Rock	Metamorphic Rock

6. Draw and identify all parts of the rock cycle and all the processes that go into it.

7. What is drives the Rock Cycle?

8. State theory of plate tectonics.

9. Complete the chart below

Plate Boundary	What it looks like	Actions	Where it can be found
Transform Fault			
O-O Divergent			
C-C Divergent			
O-O Convergent			
C-C Convergent			
O-C Convergent			

10. How oceanic lithosphere changes from mid ocean ridge to continental margin.

11. What an earthquake is and how it is measured

12. What the movements that proceed and follow Earthquakes are.

13. Compare and contrast P and S waves.

14. What is the most destructive seismic wave?

15. How to locate P and S waves on graphs and how to read distance of epicenters on graphs. Using figure 8-1 what is the difference in arrival time of the P and S waves 2500mi from the epicenter? 2500km?

16. Using the graph, identify each P and S waves and their arrival times at each city on the graph below.

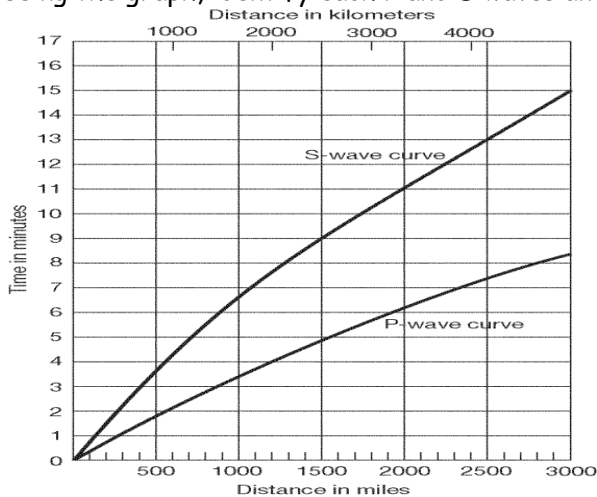
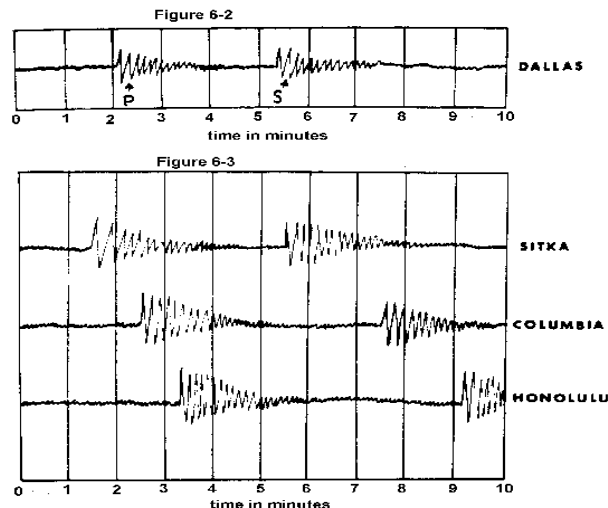


Figure 8-1



17. What is drilling used to extract? Mining?

18. Complete the chart.

Energy Source	Pro's	Con's
Coal		
Oil		
Natural Gas		

19. Compare and Contrast Renewable and Nonrenewable resources.

20. Complete the following Chart

Alternative Energy	Pro's	Con's
Solar		
Wind		
Geothermal		
Hydroelectric		
Tidal		
Nuclear		
Biomass		

21. What are the benefits of sustainable agriculture?

22. What are the 6 factors that affect climate? Give a brief description of each.

23. As latitude increases in the atmosphere what happens to temperature?

24. Draw a diagram of the layers of the atmosphere.

25. What is the Köppen Climate Classification system based on?