

1. Describe the shape of the earth. \_\_\_\_\_
2. What does the Earth's rotation cause? \_\_\_\_\_
3. Define a tropical year. \_\_\_\_\_
4. What is the angular inclination of the Earth from the ecliptic? \_\_\_\_\_
5. What causes the Earth to have seasons? \_\_\_\_\_
6. Describe a standard time zone. \_\_\_\_\_
7. Describe what happens as you cross the International Date Line. \_\_\_\_\_
8. Describe each of the following in the Northern Hemisphere:
  - June Solstice (Summer) \_\_\_\_\_
  - September Equinox (Autumn) \_\_\_\_\_
  - December Solstice (Winter) \_\_\_\_\_
  - March Equinox (Spring) \_\_\_\_\_
9. How is a graticule different from a plane coordinate system? \_\_\_\_\_
10. Why are maps not as accurate as a globe? \_\_\_\_\_
11. List what is found in a map legend. \_\_\_\_\_
12. Describe how to construct an isoline on a map. \_\_\_\_\_  
\_\_\_\_\_
13. Describe how a map scale world. \_\_\_\_\_  
\_\_\_\_\_
14. What is an isoline? \_\_\_\_\_
15. What information is provided on topographic maps? \_\_\_\_\_
16. Describe a conformal map in terms of size and shape accuracy. \_\_\_\_\_  
\_\_\_\_\_
17. Describe an equivalence map in terms of size & shape accuracy. \_\_\_\_\_  
\_\_\_\_\_
18. Describe a compromise map in terms of size and shape accuracy. \_\_\_\_\_
19. What causes the Coriolis effect on Earth? \_\_\_\_\_
20. What is meant by elevation? \_\_\_\_\_
24. What causes the surface currents in the world's oceans? \_\_\_\_\_
25. What causes the air in the atmosphere to circulate and move? \_\_\_\_\_  
\_\_\_\_\_
26. Describe a poleward moving current. \_\_\_\_\_
27. Describe an equatorward moving current. \_\_\_\_\_
28. How do ocean currents affect climate (temperature & relative humidity)? \_\_\_\_\_  
\_\_\_\_\_
29. Describe the Gulf Stream & its importance. \_\_\_\_\_

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30. Describe the N. Atlantic Drift current & its importance. \_\_\_\_\_  
\_\_\_\_\_
31. What percent of the heat transfer on Earth is caused by atmospheric circulation? \_\_\_\_\_  
Oceanic circulation? \_\_\_\_\_
33. Where are deserts usually found on earth (be specific)? \_\_\_\_\_  
\_\_\_\_\_
34. Describe each of the following:
- arid \_\_\_\_\_
  - semiarid \_\_\_\_\_
  - Mediterranean \_\_\_\_\_
  - humid continental \_\_\_\_\_
  - humid subtropical \_\_\_\_\_
  - tropical wet \_\_\_\_\_
  - tropical wet/dry \_\_\_\_\_
  - subarctic \_\_\_\_\_
  - tundra \_\_\_\_\_
  - polar ice cap \_\_\_\_\_
35. What substance is responsible for most of the weathering of rock on Earth? \_\_\_\_\_
36. Provide an example of each of the following:
- transform boundary \_\_\_\_\_
  - c-c convergent \_\_\_\_\_
  - c-c divergent \_\_\_\_\_
  - o-o divergent \_\_\_\_\_
  - o-c convergent \_\_\_\_\_
37. Where is the focus of an earthquake? \_\_\_\_\_
38. Describe how a sinkhole forms and where do you tend to find them in the U.S? \_\_\_\_\_  
\_\_\_\_\_
39. Describe 3 factors that affect the amount of destruction caused by earthquake vibrations. \_\_\_\_\_  
\_\_\_\_\_
40. Describe how the Hawaiian Islands formed. \_\_\_\_\_  
\_\_\_\_\_
41. Highest elevation in the world? \_\_\_\_\_
42. Highest elevation in the U.S.? \_\_\_\_\_

Sketch and label the pressure zone/wind zone diagram that drives climate that you have learned below.