1. What percentage of Earth’s surface is covered in water? Of all that water, what percent is saltwater? Freshwater? Frozen freshwater? Useable freshwater? Draw a pie chart to show the distribution of water on the planet.

2. Draw the water cycle and include the following terms: evaporation, precipitation, infiltration, condensation, transpiration, aquifer, runoff.

3. Where does most of the evaporation in the water cycle occur? What is the main cause of this evaporation?

4. What happens when glaciers and ice caps melt? (Note: there is more than one thing that happens.)

5. What causes salinity of the oceans to increase? What causes salinity of the oceans to decrease?

6. Draw, label, and describe the following features of the ocean floor: continental shelf, continental slope, continental rise, continental margin, guyot, abyssal plain, trench, mid-ocean ridge, rift valley, seamount, and volcanic island.

7. What causes surface currents to form? What is the large current near the coast of Georgia that is responsible for bringing warmer temperatures to Europe?

8. What causes deep ocean currents to form? What is the name of the deep current system that circulates throughout the globe?

9. What causes ocean water to be more dense? Less dense?

10. What causes most waves to form? What do waves transmit across the ocean? What happens to particles of water as a wave moves across the ocean?

11. Draw a wave and label the parts. (wavelength, crest, trough)

11. What is the Coriolis effect?

12. How are tsunami different from regular waves? (You should discuss what causes them, and well as speed and how they behave near the shore.)