Hydrology Test Study Guide

1. What percentage of the Earth is made of oceans? land?
2. Where does the majority of water come from in the water cycle and why?
3. What will happen to our oceans if glaciers and ice caps melt? Explain your answer.
4. Most of the freshwater is found where?
5. What parts of the oceans would have the lowest AND the highest salinity levels?
6. What is the hydrosphere?
7. Why do water droplets form on the outside of a cool glass?
8. What percentage of the Earth’s water is saltwater? Glaciers? Groundwater? Lakes/Rivers?
9. What is the primary cause of evaporation?
10. What is runoff and what are factors that can increase or decrease it?
11. Draw, label, and describe the following features of the ocean floor: continental shelf, continental slope, abyssal plain, trench, mid-ocean ridge, rift valley, seamount, and volcanic island.
12. What is sonar and how is used to map the ocean floor?
13. What current is responsible for bring warm water from the Gulf of Mexico to Europe?
14. What causes ocean currents?
15. What are the 2 factors that influence the density of ocean water?
16. What causes most surface currents?