Water Test Study Guide

1. How are caverns formed?
2. What percent
   1. Of Earth is covered by water?
   2. Of all water is freshwater?
   3. Of water is pulled from the ground for human use?
   4. Of water is frozen in glaciers or ice caps?
   5. Of water is in rivers/streams/lakes/ponds?
3. List the human uses of freshwater from greatest to least.
4. Explain how balance occurs in the water cycle.
5. Compare the temperature of currents moving TOWARD and AWAY FROM the poles.
6. List problems (sources of contamination) for groundwater.
7. What happens when you have too many wells in one area? (refer to aquifers)
8. What are the 4 factors that control ocean movement?
9. What factors determine how quickly water moves through soil?
10. Identify sources of water that are part of the water cycle.
11. Under what conditions will surface runoff be most likely to occur?
12. Under what soil conditions will infiltration of water most likely occur?
13. How does the water table change in response to
    1. Infiltration
    2. Precipitation
    3. Slope of land
14. Know definitions for the following terms:
    1. Porosity
    2. Cone of depression
    3. Zone of saturation
    4. Artesian well
    5. Precipitation
    6. Infiltration
    7. Transpiration
15. True or False
    1. The water cycle is the distribution of drinking water on Earth
    2. The water cycle is the unending circulation of Earth’s water supply
    3. The water cycle is the recycling of water after industrial use
    4. Infiltration decreases after a long period without rain.
    5. Water cycles through the evaporation of water through plant roots
    6. Water cycles through evaporation from leaves of plants