

Unit 2 Review – Hydrogeology

Please answer these questions on a separate sheet of paper.

1. Draw the Water Cycle.
2. What are the 5 “tion” words associated with the water cycle.
3. Define the 5 above words.
4. What are the 3 phases of water?
5. How much of earth's water is freshwater and saltwater?
6. Where is the most freshwater found on Earth?
7. Define the following terms – Residence time, Recharge, permeability, porosity, water table, zone of saturation
8. What is meant by indirect water use?
9. Why is water so important to Michigan
10. Know how to draw contour lines for a water table, and what they mean?
11. Know how to label the part of a watershed. (Tributary, mouth, Main Channel, Direction of flow, Headwaters, Drainage divide.
12. How do land uses affect water quality?
13. List at least 3 land uses that will affect water quality.
14. What is point source and non-point source pollution?
15. How does soil erosion cause pollution?
16. What is the Goal of the Clean Water Act of 1972
17. What do the following acronyms stand for EPA and BMP?
18. What are at least 3 BMP's?
19. Describe the water table, the two zones found there, and how the water moves through them.
20. Permeability is describes as what? Explain how three different types of surfaces have different permeabilities.
21. Is the water table always at a constant level? Why or Why not?
22. Where does the energy that powers the water cycle come from?
23. Homes that are not hooked up to a sewage system use what type of system to dispose of waste?
24. List three ways to conserve water.
25. Does water move easily through impermeable substances? Why or Why Not?