

**GROUNDWATER INQUIRY QUESTIONS - use your chromebooks to answer the following**

1. Why does precipitation that falls to the ground become groundwater?
2. What is porosity?
3. Why do unsorted sediments reduce porosity?
4. Why is bedrock permeable?
5. Explain how the flow velocity of groundwater is determined?
6. What material prevents groundwater flow?
7. What is an example of an impermeable sediment?
8. What is the zone of saturation?
9. What is the water table?
10. How is the level of the water table affected by topography?
11. What do we call the area from the water table to the surface?
12. How does the water table fluctuate throughout the year?

13. What is an aquifer?

14. Is an aquifer permeable? Explain.

15. What will happen to an aquifer if more water is pumped out then put in?

16. What can be done in areas where heavy ground water use has lowered the water table?

17. What are problems associated with overuse of groundwater?

18. How do pollutants enter groundwater? Where do they come from?

19. What type of rock are most aquifers that contain hard water made of?

20. Draw and label the ground showing the location of the water table in relation to the zone of aeration, zone of saturation, water table, aquiclude, and well.