

Unit 2 Study guide

Name _____
Date _____
Hour _____

Define the following (Complete on a separate piece of paper)

- | | |
|-------------------|-----------------|
| -Surface water | |
| -Igneous rock | -Groundwater |
| -Sedimentary rock | -Impermeability |
| -Metamorphic rock | -Permeability |
| -Metamorphism | -Runoff |
| -Deposition | -Stream |
| -Erosion | -River |
| -Water table | -Lake |
| -Well | -Wetland |
| -Aquifer | -Watershed |
| -Precipitation | -Spring |

Answer the following in complete sentences

1. How are igneous, sedimentary and metamorphic rocks formed?
2. Where is Earth's largest supply of useable freshwater?
3. List several common sources of groundwater pollution.
4. What has happened to the North American groundwater systems in the past 100 years?
5. List several examples of impermeable and permeable sediment that groundwater either flows or does not flow through.(255)
6. Describe the High Plains Aquifer System and what concerns there are in relation to it.(Farmed out article and 265-267)
7. Describe with examples two different threats to our water supply.(265-267)

The diagram above shows four wells drilled at different depths; the numbers represent the wells the letters represent the water table.

8. A well-drilling company offers the four types of wells shown in the chart which number well is most likely to be the least reliable source of groundwater?
9. If you were the President of the well-drilling company which well would you choose to get groundwater from and why?