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| FSA Invitational 12/11/10 Awesome Aquifers Station 1 Test |
| Do Not Write on Test Packet. Put all answers on the Score Sheet |

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| Pam Walsh  12/11/2010 |

**FSA Invitational 12/11/10**

**Awesome Aquifers Station 1 Test**

Please record answers on team score sheet

**Use the following word bank for questions 1-6:** *granite shale porosity permeability limestone high low groundwater moderate potable aeration depletion*

1. \_\_\_\_\_\_\_\_\_ water is good enough to drink.
2. Sinkholes are a possible danger in regions underlain by what type of bedrock?.\_\_\_\_\_\_\_\_\_\_
3. The ground water table is formed by the intersection of the zone of saturation with the \_\_\_\_\_\_\_\_\_ zone.
4. The ability of a solid to transmit fluids is measured by its \_\_\_\_\_\_\_\_\_\_ .
5. \_\_\_\_\_\_\_\_\_\_\_ is the amount of pore space in a rock unit..
6. Shales have a moderate porosity and a \_\_\_\_\_\_\_\_ permeability.

7. Excessive pumping in relation to recharge can cause \_\_\_\_\_.

A. the water table to decline B. a cone of depression

C. the well to go dry D all of these

8. The infiltration of water into the subsurface is the \_\_\_\_\_\_\_\_\_-.

A. influent B. effluent

C. discharge D. recharge

9. Which of the following statements about the water table is false:

A. the water table changes when discharge is not balanced by recharge

B. the water table is generally flat

C. the water table is above the land surface in lakes

D. the water table is depressed near high volume pumping wells

10. What is a term for a relatively impermeable geologic unit?

A. a leachate B. an aquiclude

C. an aquifer D. none of these

11. Entry of water into the groundwater system is called:

A. influent B. recharge C. infiltration

D. both A and B E. both B and C

12. What holds up a perched water table?

A. a sinkhole B. an aquiclude C. an aquifer

D. the cone of depression E. gravity

13. These are all terms for a confining layer except:

A. impermeable layer B. aquiclude

C. substrate D. aquitard

14. What is and artesian well?

A. a free flowing well B. a geyser C. a spring

D. a very deep well E. any well where the water rises above the aquifer itself