

Groundwater

Name _____

http://www.learner.org/vod/vod_window.html?pid=332

1. Describe the process of dowsing.

2. Where is there more water - in the ground or in lakes and rivers? _____

3. Why is sandstone such a good aquifer?

4. Why is clay a bad aquifer? Asked, another way, what is crazy about clay when it comes into contact with water? (This is good to know when digging out your old clay supply you had as a kid.)

5. How does groundwater cause caverns to form?

6. How can a spring flow all year, even when there has been no rain?

7. How can water from an artesian well come to the surface without pumping? (Use the terms "recharge area" and "impermeable" in your answer. Waiting until you see the funnel-hose example will help.)

8. Describe two things that can happen because of excessive groundwater withdrawal.
 - a)
 - b)

9. Describe two ways we can as a society prevent groundwater from being polluted.
 - a)
 - b)

10. Is groundwater renewable or nonrenewable and why do you say so? (This is a thought question. It is not answered directly in the film.)

11. What has Orange County has done to recharge the aquifer and prevent salt water intrusion?

12. What is the big deal with groundwater? Who really cares about it? Is it really important? (Consider what would happen if the Phoenix area didn't have wells.)