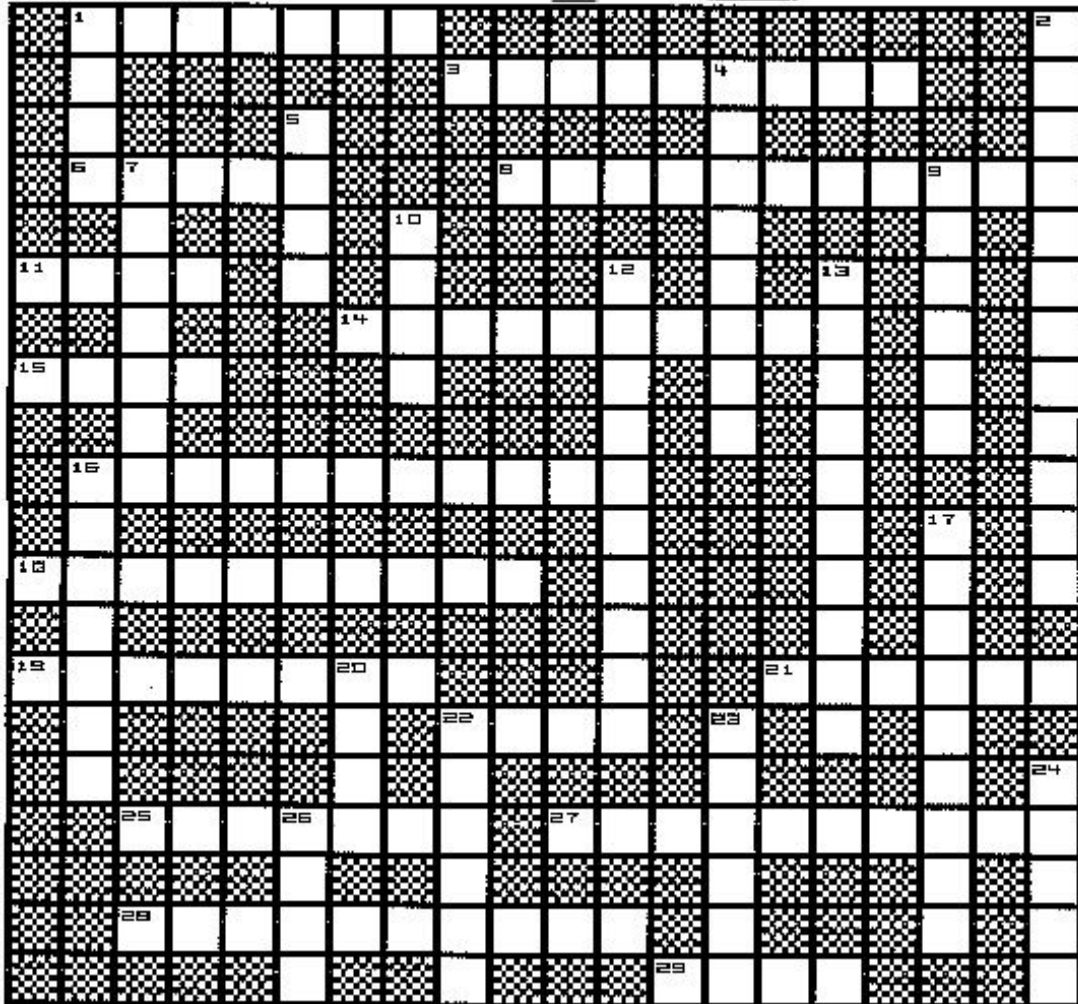


### GROUNDWATER.3

Name: \_\_\_\_\_

Date Due: \_\_\_\_\_

### EAS-100-51: EARTH SCIENCE HOMEWORK No. 3



**ACROSS CLUES**

- 1. When minerals become unstable in a new environment, they - - - - -.
- 3. Term given to rock that will allow water to flow through it.
- 6. Source of heat for geysers, hot springs, geothermal wells, etc.
- 8. Term to describe rock that will not allow water to flow through it.
- 11. Latin word for water.
- 14. A zone in rock in which all the pore space is filled with water.
- 15. Term which describes water that contains few dissolved minerals.
- 16. Water that occupies the pore spaces within rock formations in the zone of saturation.
- 18. Path that water takes from the ocean to clouds, to the land, and then back to the ocean (2 words).
- 19. A funnel-shaped depression, dissolved from limestone rock.
- 21. A structure in which water is forced upward by steam pressure.
- 22. An underground opening created by dissolving limestone.
- 25. A well drilled into the zone of aeration (2 words).
- 27. Icicle-like structure of calcium carbonate that hangs from the roof of a cave.
- 28. An icicle-like structure of calcium carbonate built up from the floor of a cave.
- 29. Particle of sediment between 1/16 and 2 mm in diameter.

**DOWN CLUES**

- 1. Chemical reactions are accelerated in - - - - environments.
- 2. A type of well that produces water under its own pressure, without pumping (2 words).
- 4. The zone where air fills all of the possible pore spaces in the rock.
- 5. Term used to describe water which contains a lot of dissolved minerals.
- 7. A permeable rock formation which transmits and produces water.
- 9. Dense evaporite mineral, used as an additive to drilling muds for drilling water wells.
- 10. Fine-grained layer silicate minerals which swell up in water and cause lower permeability.
- 12. The upper surface of the zone of saturation (2 words).
- 13. Zone where water can enter the ground and fill an aquifer (2 "non-technical" words).
- 16. The force that causes groundwater to move through the pores in rock.
- 17. A structure in which heated water flows out onto the earth's surface (2 words).
- 20. Common words for calcium carbonate.
- 22. A lime structure created when a stalactite and stalagmite merge.
- 23. Common term for quartz and chalcedony.
- 24. Term which describes the dissolution of minerals by the passage of groundwater.
- 26. A drill hole sunken into an aquifer for the purpose of extracting groundwater.

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