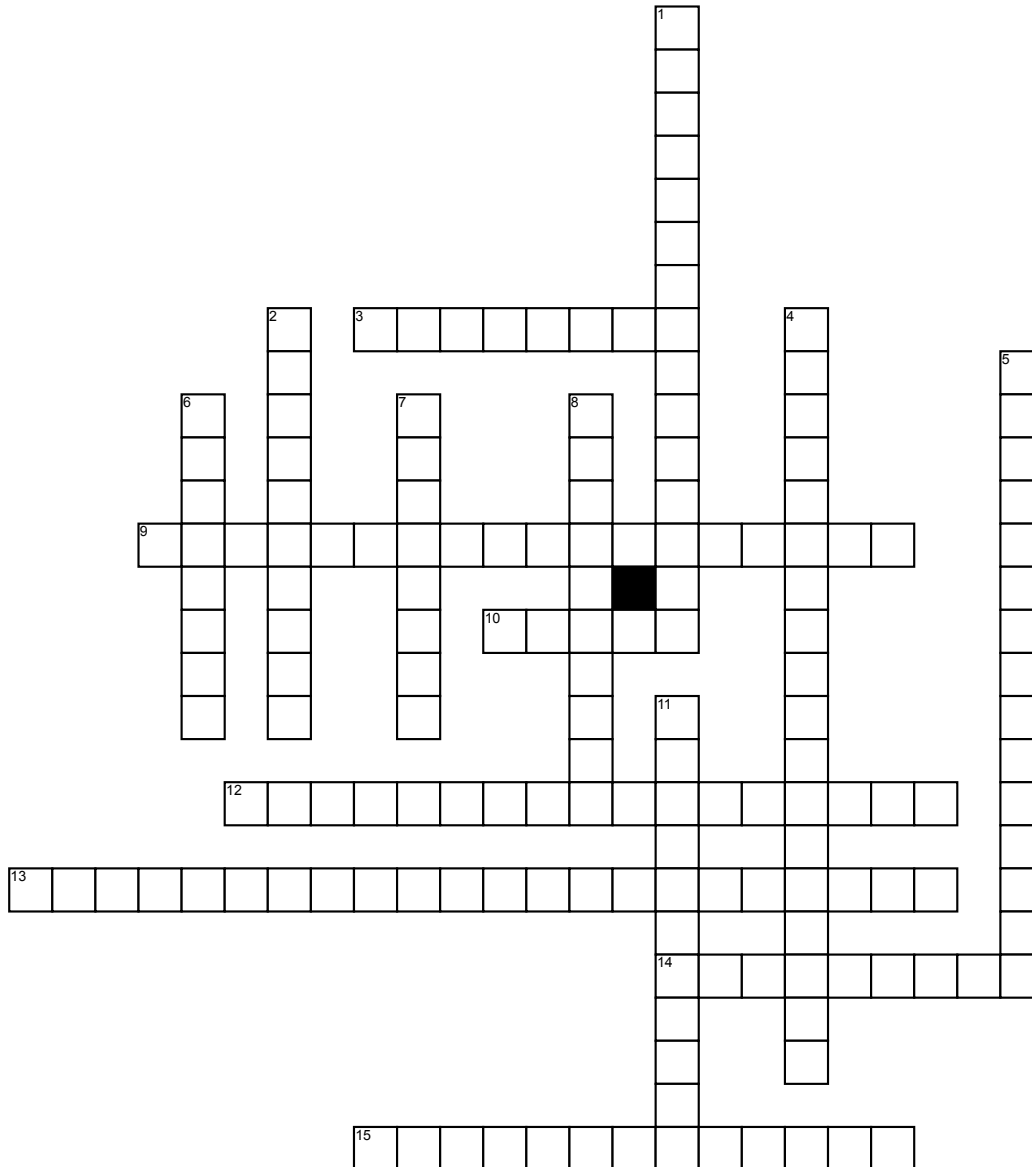


Water Management



Across

- 3.** earth materials which do not allow the free movement of groundwater through it
- 9.** 1. 90% world use, municipal water systems, treatment process, developed nations, shortage=high prices, problem? Urbanization, high demand (exceeds limit supply)
- 10.** acts as solvent, medium for chemical reactions, aids in digestion, absorption, circulation and excretion, regulates skin temp/lubricates
- 12.** aquifer in which there is no impermeable layer restricting the upper surface of the zone of saturation

- 13.** 2. 80% irrigation (surface/flood, spray, trickle, sub-irrigation), solution? Increase energy costs/recycle/reduce water demanding crops
- 14.** a body of rock that will absorb water slowly, but will not transmit it fast enough to supply a well.
- 15.** a well that is drilled deep enough to tap a layer of porous material filled with groundwater.

Down

- 1.** a groundwater storage area trapped between two impermeable layers of rock.
- 2.** zone or layer above the water table in which some water may be suspended or moving in a downward migration toward the water table or laterally toward a discharge point

- 4.** the evaporation of water from soil plus the transpiration of water from plants.
- 5.** Condensation, precipitation, runoff, infiltration, groundwater infiltration/run-off, transpiration, solar energy
- 6.** percentage of the total volume of rock or sediment that consists of open spaces.
- 7.** a body of rock or sediment that stores groundwater and allows the flow of groundwater
- 8.** the upper level of the saturated zone of groundwater
- 11.** water changes from liquid form to an atmospheric gas