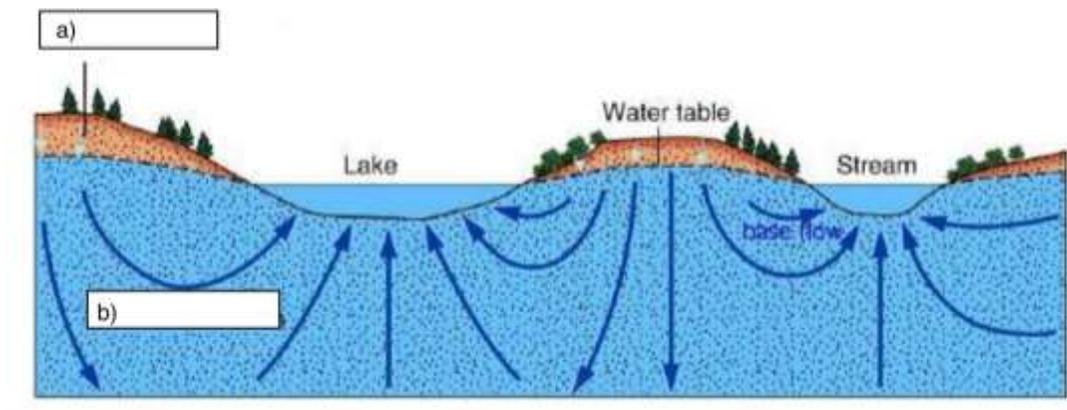


YUSO 2017 HYDROGEOLOGY

EXAM PART I

Each question is worth 1 point. Do not write on this exam – record all answers on your Answer Sheet.

1. What percent of water on earth is potable?
 - a. 10%
 - b. 5%
 - c. 2%
 - d. <1%
2. A(n) _____ is an underground geological structure that can store and release water
3. Define (a) Confined Aquifer and (b) Unconfined Aquifer
4. _____ can absorb and hold water, but cannot transmit it at a sufficient rate to supply springs or wells
 - a. aquitard
 - b. confined aquifer
 - c. aquiclude
 - d. unconfined aquifer
5. Name regions *a* and *b* indicated below.



6. Draw the hydrologic cycle, making sure to include the following: precipitation, percolation, transpiration, groundwater flow, evaporation, condensation.
7. An artesian well is
 - a. A well where water reaches the ground surface under natural pressure of the aquifer
 - b. a well formed from an inclined aquifer
 - c. trapped between impervious rock layers, but has an exposed area
 - d. all of the above
8. What is the largest aquifer in the US?
 - a. Ogallala Aquifer
 - b. Edwards Aquifer
 - c. Snake River Aquifer
 - d. Mahomet Aquifer

