

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

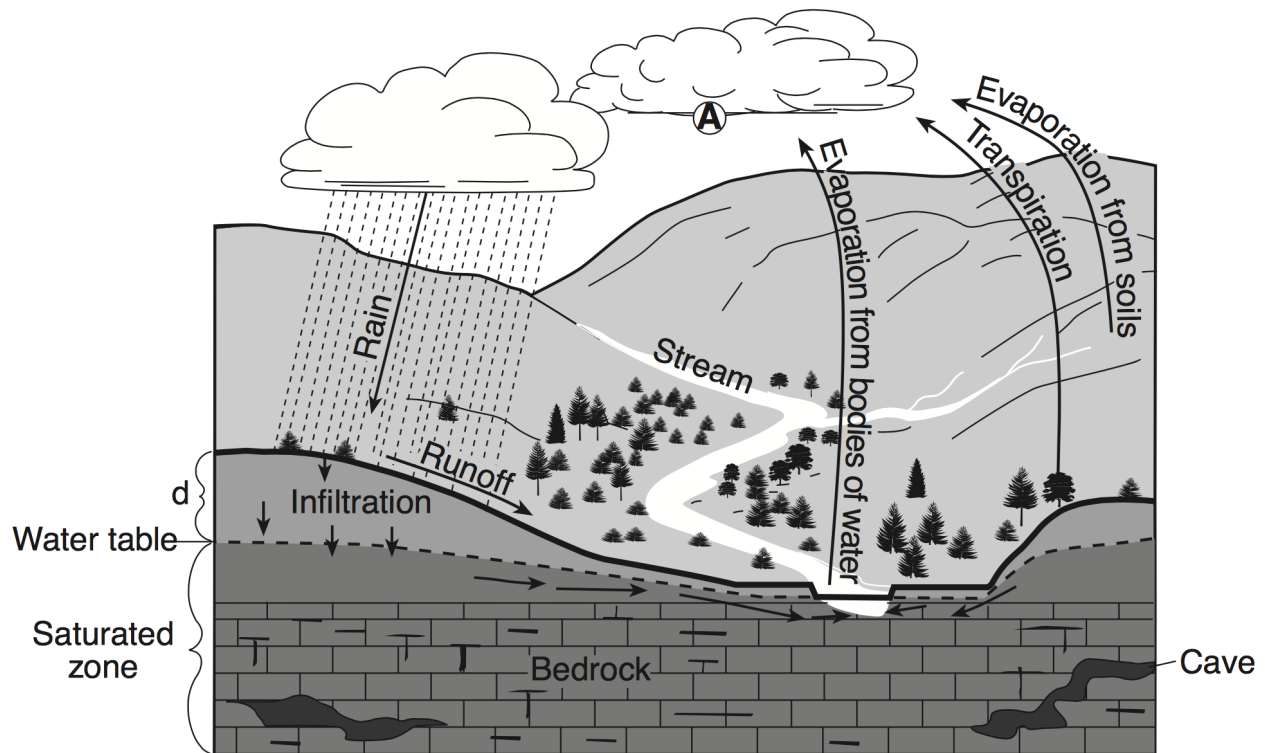
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# Water and Climate

The Physical Setting: Earth Science

## Supplemental: Water Cycle I

**Directions:** Base your answers to questions 1 through 3 on the diagram below that represents a portion of a stream and its surrounding bedrock. The arrows represent the movement of water molecules by the processes of the water cycle. The water table is indicated by a dashed line. Letter A represents a water cycle process occurring at a specific location. Letter d represents the distance between the water table and the land surface.



1. Identify water cycle process A, which produces cloud droplets.
2. Describe the permeability, porosity and slope that allow the most infiltration of rainwater.
3. Explain why the distance, d, would decrease after several days of heavy rainfall.