

The Water Cycle

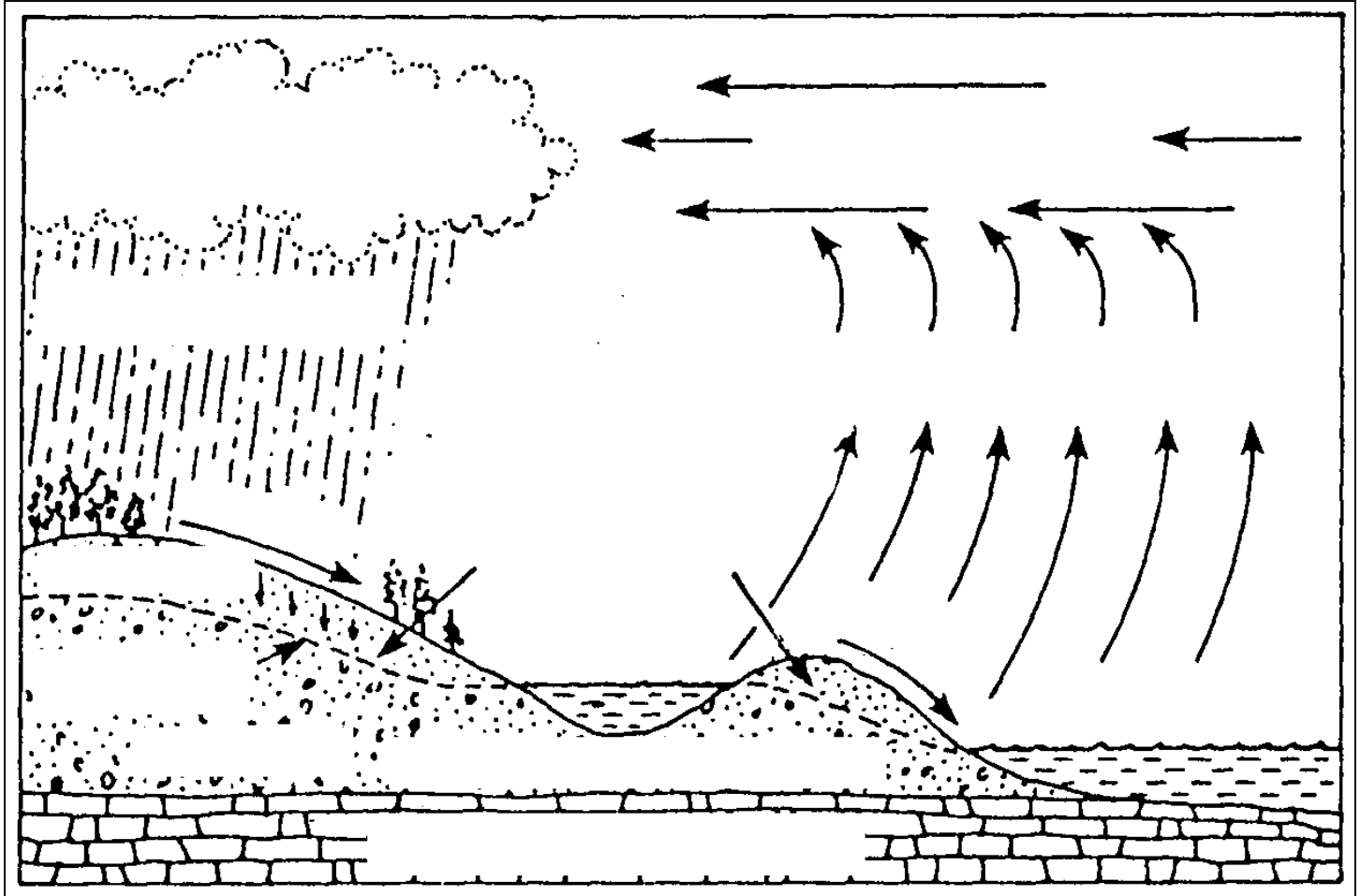
NAME _____

Partners _____

Define the following terms.

water cycle -	transpiration -	infiltration -
zone of saturation -	water table -	porosity -
permeability -	runoff -	capillarity -
retained water – <i>water held in the soil by molecular attraction, against the force of gravity, as a soil drains.</i>	impermeable –	watershed -

Directions: label the diagram below with the following terms: evapotranspiration, winds, condensation, precipitation, runoff (2), infiltration, water table, zone of saturation, zone of aeration, lake, ocean, impermeable bedrock.



Give the best answer to the following questions. If you see a blank graph, draw in a line to complete it.

1. The primary source of water for the hydrologic (water) cycle is 1) _____.
2. If the soil is *impermeable*, water WILL / WILL NOT infiltrate.
3. If the soil is *saturated*, water WILL / WILL NOT infiltrate.
4. In order for rain to infiltrate into the ground, the soil must be
1) _____ and 2) _____.
5. If the slope is steep, infiltration will INCREASE / DECREASE.
6. Runoff occurs when the rate of precipitation is _____ the rate of infiltration.
7. A rock like pumice can be very porous (full of pore spaces), but have low permeability because

