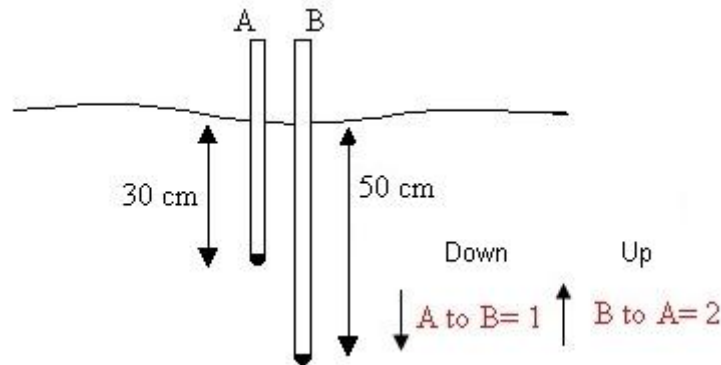


## Rainfall Runoff Processes

Consider the following experimental situation. A and B are vertical tensiometers that measure pore water pressure (tension) relative to atmospheric pressure, at depths 30 and 50 cm below the ground.



Following are some pressure measurements recorded at A and B. Negative denotes suction. For each situation evaluate the pressure head at A and B, and total head at A and B using the surface as a datum. Indicate the direction of flow (i.e. 1= downwards into the ground from A to B, or 2= upwards from B to A) (Include minus sign for negative numbers)

Pressure at A (Pa)	-5500
Pressure at B (Pa)	-3000
$\Psi$ at A (cm)	-56.1
$\Psi$ at B (cm)	-30.6
Total head at A (cm)	-86.1
Total head at B (cm)	-80.6
Direction of flow	2

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