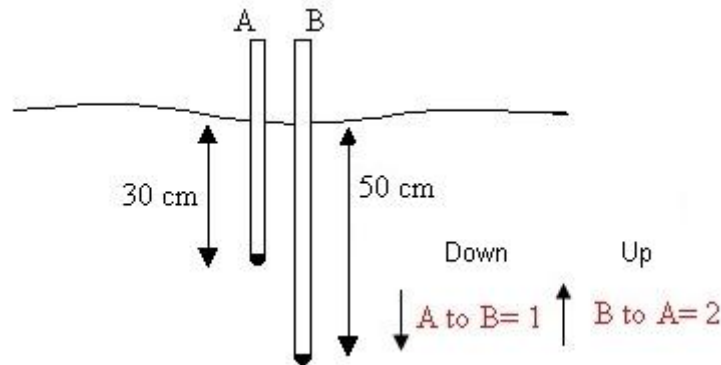


Rainfall Runoff Processes

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)	-4000
Pressure at B (Pa)	-3000
Ψ at A (cm)	-40.8
Ψ at B (cm)	-30.6
Total head at A (cm)	-70.8
Total head at B (cm)	-80.6
Direction of flow (indicate 1 or 2)	1

Save Answer ->

<- 7 8 9 10 11 12 13 14 15 16 ->

Back to Workbook Sections



(...) >> Soil Resources >> Section 4 Quiz



National Weather Service COMET Outreach Program

Karun Joseph Logged In 10/11/2016

© 2003 Utah State University

[User Preferences] [Log Out]