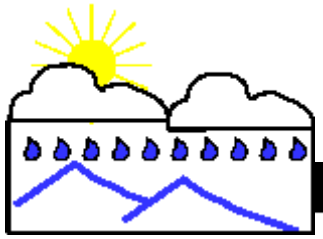

Rainfall Runoff Processes

Following is data from a Darcy experiment using the notation depicted in figure 25. Fill in the blanks and calculate the hydraulic conductivity. The internal diameter of the circular tube used was 10 cm and the length Δl, between piezometers, 40 cm. This experiment is conducted at 20 ^{o}C.

h_1 (cm)	70
h_2 (cm)	58
z_1(cm)	50
z_2 (cm)	30
n	0.32
Q (l/hr)	0.5
Ψ_1(cm)	20
Ψ_2(cm)	28
p_1(Pa)	1962
p_2(Pa)	2747
dh/dl	0.3
q (cm/hr)	6.37
K (cm/hr)	21.22
k (cm^2)	6.31E-8
V (cm/hr)	19.9

Re	7.48E-5

Save Answer ->

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

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