



# Capillary Action

By Frederic P. Miller

Alphascript Publishing Feb 2010, 2010. Taschenbuch. Book Condition: Neu. 220x150x5 mm. Neuware - Capillary action, capillarity, capillary motion, or wicking refers to two phenomena: 1. The movement of liquids in thin tubes. 2. The flow of liquids through porous media, such as the flow of water through soil. A common apparatus used to demonstrate the first phenomenon is the capillary tube. When the lower end of a vertical glass tube is placed in a liquid such as water, a concave meniscus forms. Surface tension pulls the liquid column up until there is a sufficient mass of liquid for gravitational forces to overcome the intermolecular forces. The contact length (around the edge) between the top of the liquid column and the tube is proportional to the diameter of the tube, while the weight of the liquid column is proportional to the square of the tube's diameter, so a narrow tube will draw a liquid column higher than a wide tube. In hydrology, capillary action describes the attraction of water molecules to soil particles. Capillary action is responsible for moving groundwater from wet areas of the soil to dry areas. Differences in soil potential (  $m$  ) drive capillary action in soil. 80...



**READ ONLINE**  
[ 6.39 MB ]

## Reviews

*Absolutely essential go through book. It can be rally fascinating through studying period of time. You wont truly feel monotony at at any time of your respective time (that's what catalogues are for concerning in the event you question me).*

-- **Roberto Leannon**

*This sort of publication is everything and made me seeking forward and much more. Better then never, though i am quite late in start reading this one. I am easily could possibly get a delight of reading through a created pdf.*

-- **Quinton Balistreri**