Estimate the height of capillary rise for water in sand.
Grain size distributions in Fetter (pg74-75)
Smallest ~ 0.08 mm  10% ~ 0.17mm = 0.017cm
What if the soil is a silty sand?
Grain size distributions in Fetter (pg74-75)
Smallest ~ 0.002 mm  10% ~ 0.017mm = 0.0017cm

What if the fluid is gasoline?
Substance Surface Tension (dyne/cm)
Water 72.8 dyne/cm
Gasoline ~33 dyne/cm  (note < tension for water)
specific weight? check the web (~0.68 density of water)
Which will dominate, surface tension decrease or specific weight decrease?
the capillary fringe will show hysteresis effects

Hysteresis (dependent on history) describes a phenomenon which is dependent on previous history as the water table moves up and down the capillary fringe will change in character.