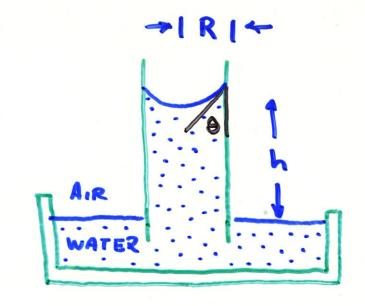
Capillary Pressure



Wetting Angle: 8

Radius of Curvature: R

Cose

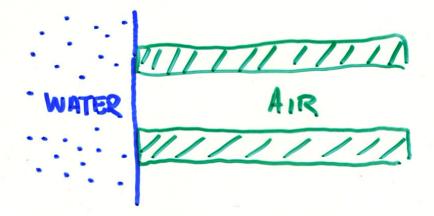
: PAIR - PWATER = 28 cos 0

How high is water drawn?

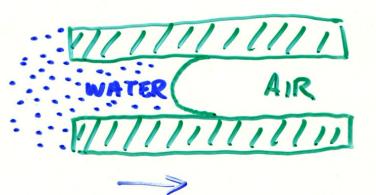
Capillary Imbibition

displacement of non wetting fluid by wetting fluid

Initial Time



LATER



water moves into cylinder (capillary) why?

Capillary forces and CO₂ trapping

• Capillary forces (interfacial tension) play an important role in trapping of CO₂:

 Both at the caprock interface (structural trapping)

And as residual CO₂ (as the plume migrates upwards)

