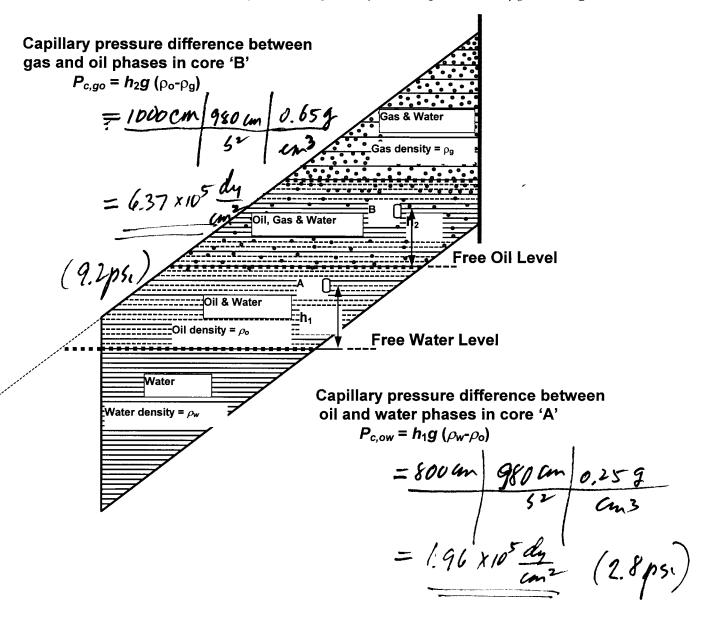
1. See the following sketch. Calculate $p_{c,ow}$ and $p_{c,go}$ in dynes/cm² at points A and B if $h_1 = 800$ cm, $h_2 = 1000$ cm, $\rho_w = 1.05$ g/cm³, $\rho_o = 0.8$ g/cm³, and $\rho_g = 0.15$ g/cm³.



2. Name three factors that affect the capillary pressure vs saturation relationship.

- permeability

- pore size distribution (sorting)

- fluid pairs

- saturation history