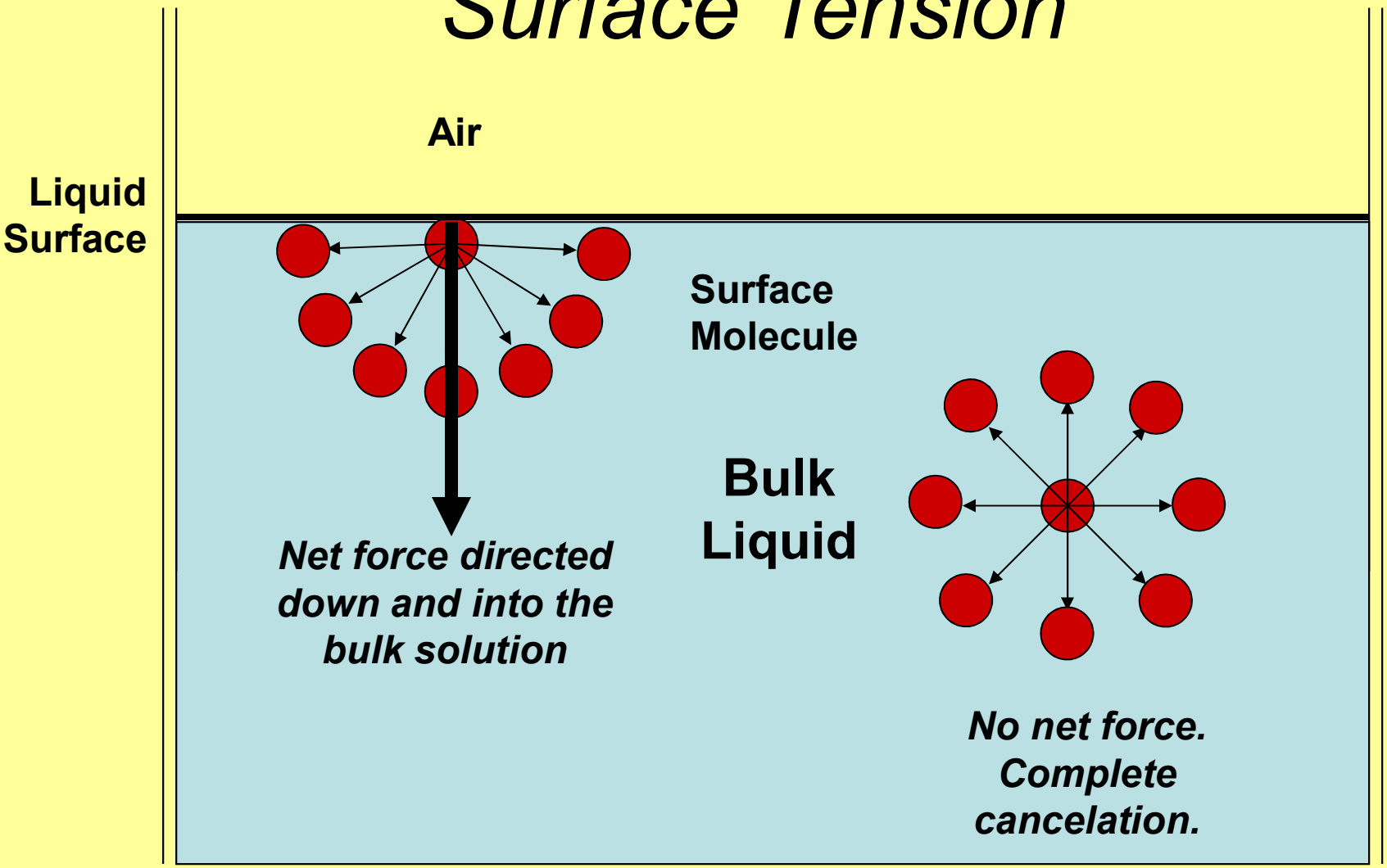
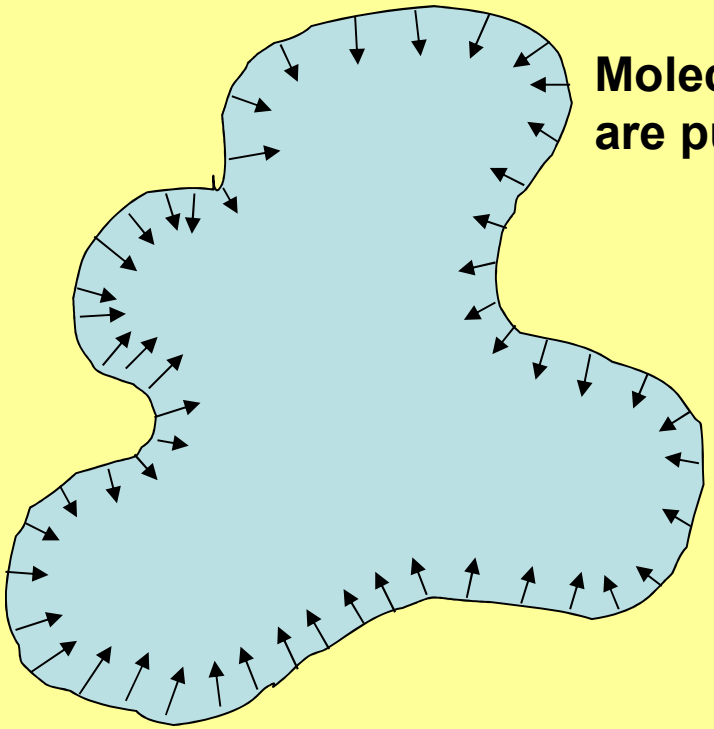
Properties of the Liquid State: *Surface Tension*



<u>Surface Tension</u>: The energy required to increase the surface area by a specified amount.

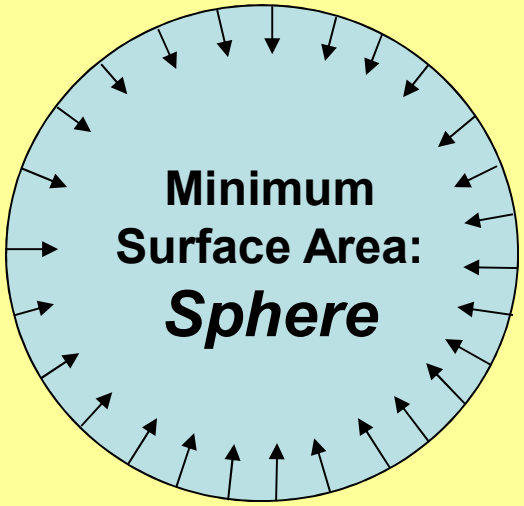
Properties of the Liquid State: *Surface Tension*

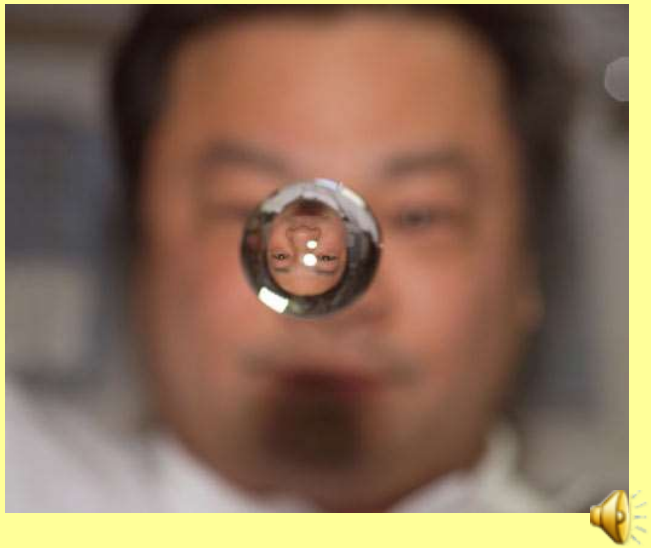


Molecules at surface are pulled inward....

Shape changes to reduce the number of surface molecules....

...or reduce the surface area to it's minimum value.





Water "blob" in zero gravity on board the International Space Station

www.nasa.gov

Surface Tension: Examples

www.hobbyscience.com/bubble.html

Water Strider

http://www.sfscience.com/english/grade_4/unit_B/chap_2/act_1/1.htm

http://encarta.msn.com/media_461560536_761563983_-1_1/Surface_Tension_in_Water_Droplets.html