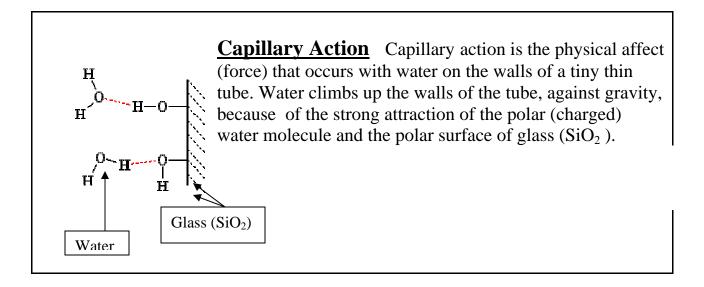
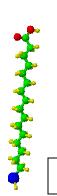
Water Water (H_2O) is a polar molecule that has a negatively charged end and a positively charged end.



Masks A mask is designed to block out UV light. In this activity, you can design your own pattern of your mask and make as many masks as you would like.



<u>Mercaptohexadecaonic Acid (MA)</u> MA molecules are used to make a self-assembled monolayer (SAM) on a wafer. These molecules have a sulfur-hydrogen (SH) on one end that can covalently bond to gold, and a (COOH) group on the top that is negatively charged hydrophilic). UV light at 254nm can break the covalent bond between the sulfur and the gold.

COOH

