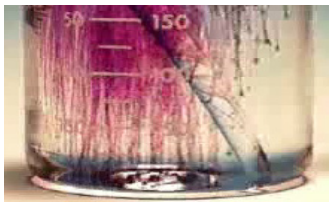
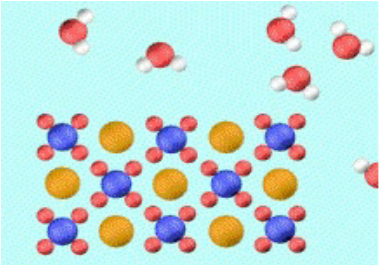
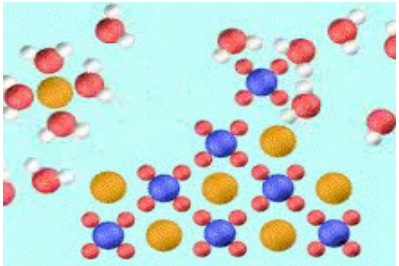
Some Consequences of Molecular Polarity

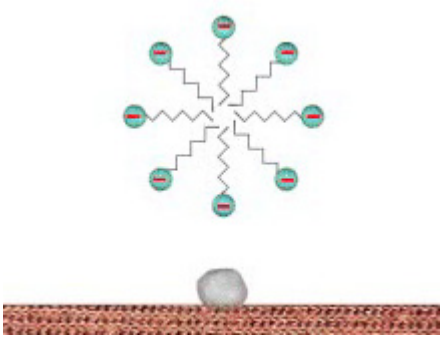


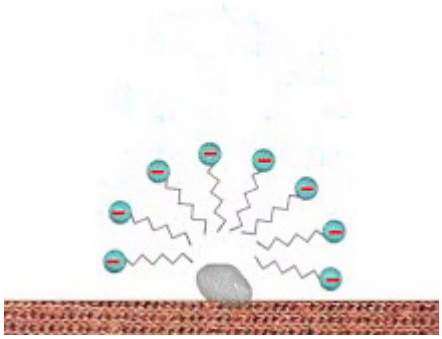


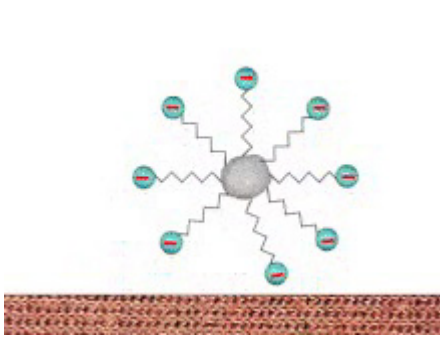


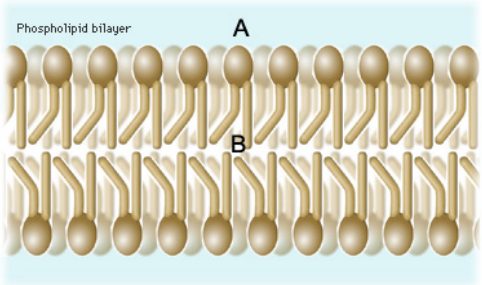
Solubility of Some Common Substances

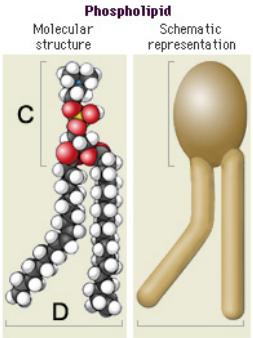
Compound	Solubility in H_2O g/100mL	
NaCl	35.7	0°C
O_2	4.5×10^{-3}	18°C
N_2	2.0×10^{-3}	18°C
NH_3	89.5	0°C
CO_2	0.179	18°C
HCl	72.1	20°C

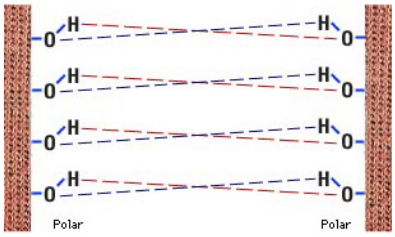


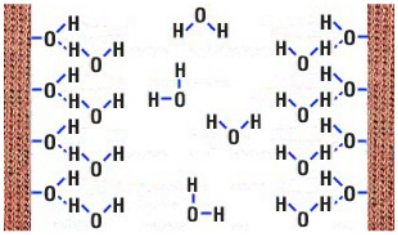


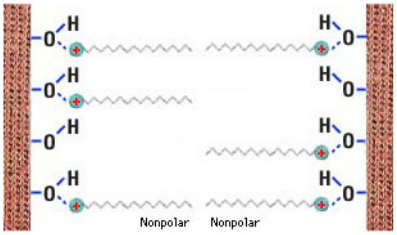


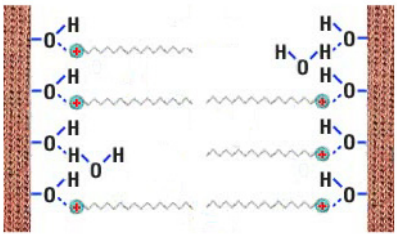

Phospholipid bilayer
A
B

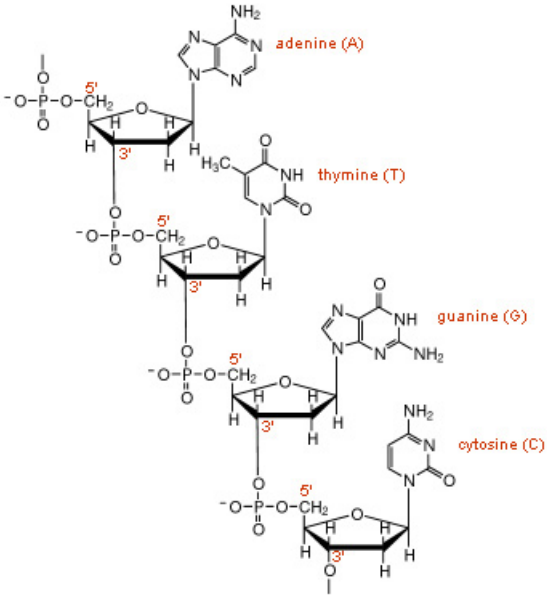
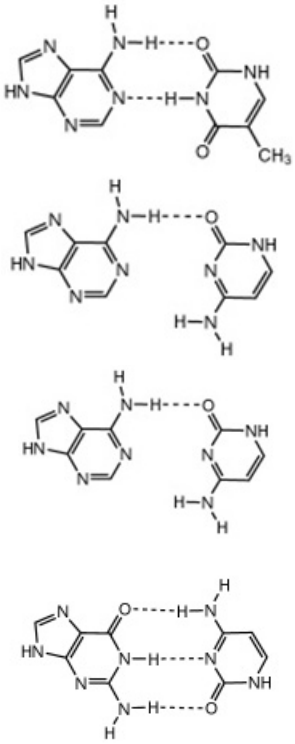

Phospholipid
Molecular structure
Schematic representation
C
D


Polar
Polar




Nonpolar
Nonpolar




adenine (A)
thymine (T)
guanine (G)
cytosine (C)