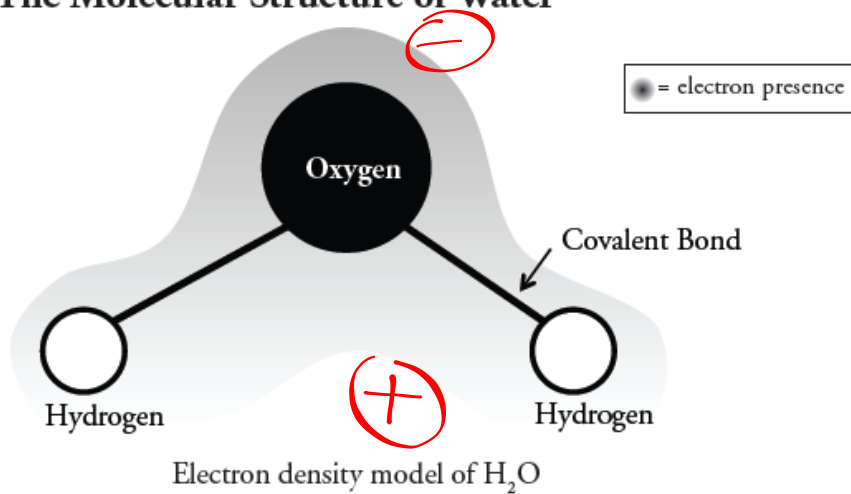
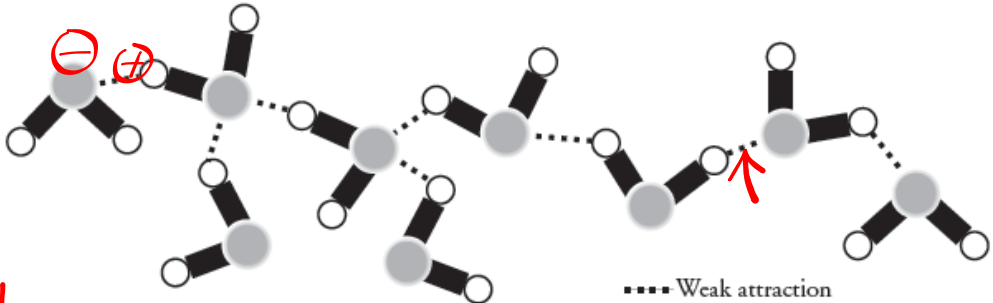


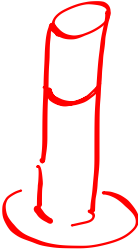
Model 1 – The Molecular Structure of Water

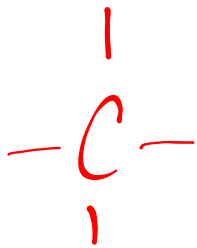


Model 2 – Attraction of Water Molecules

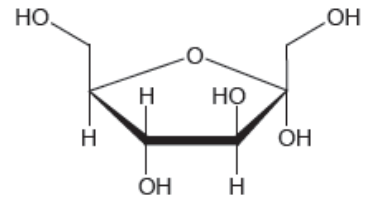
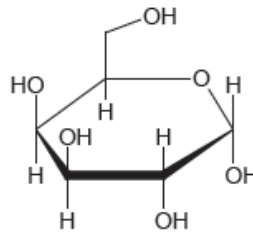
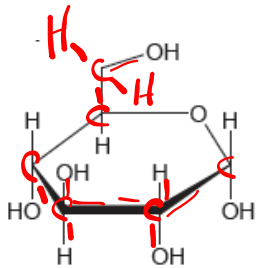


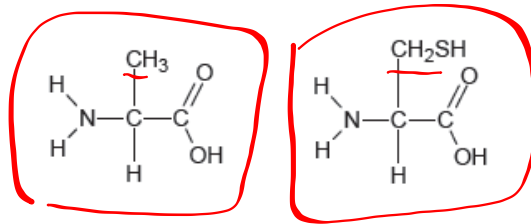
cohesion -
adhesion -





C H₂O
CARBOHYDRATES

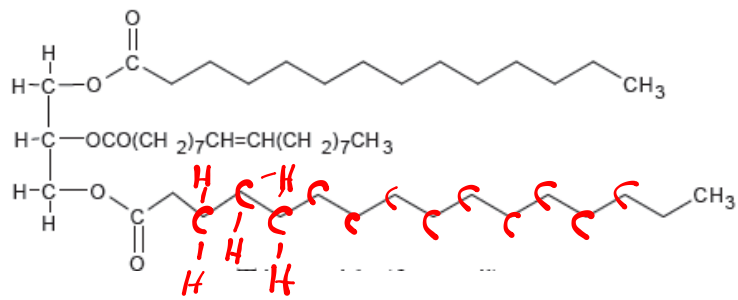




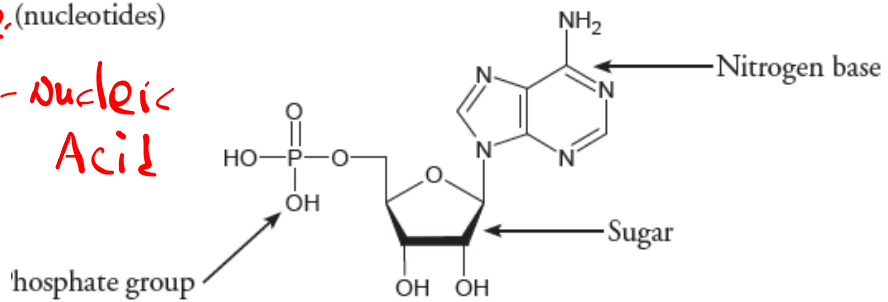
Amino acid - monomer
"brick"

Protein - polymer

Lipids

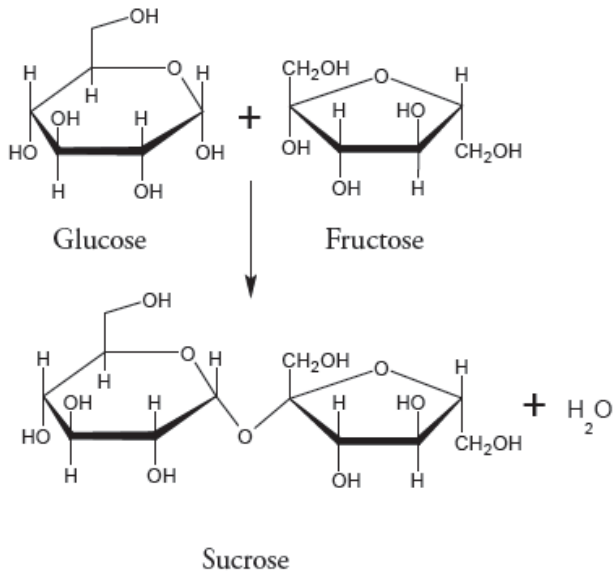


MONOMER (nucleotides)
POLYMER - nucleic
Acid
DNA
RNA

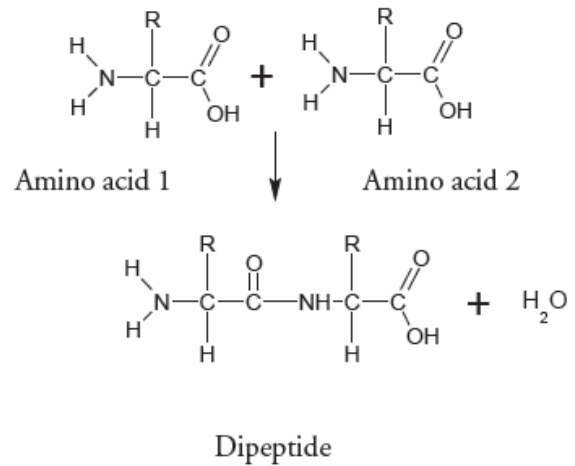


Model 2 – Biochemical Reactions

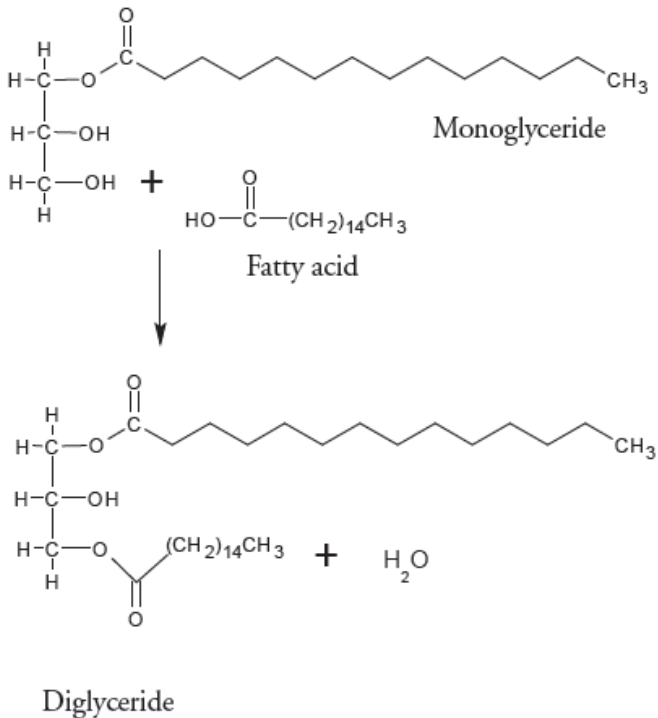
A.

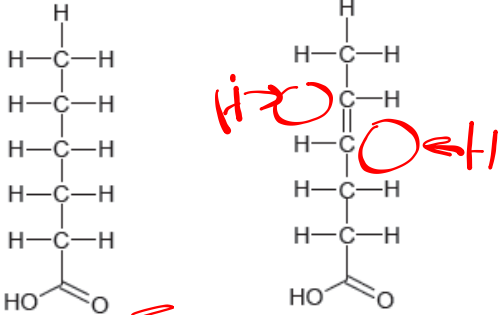


B.



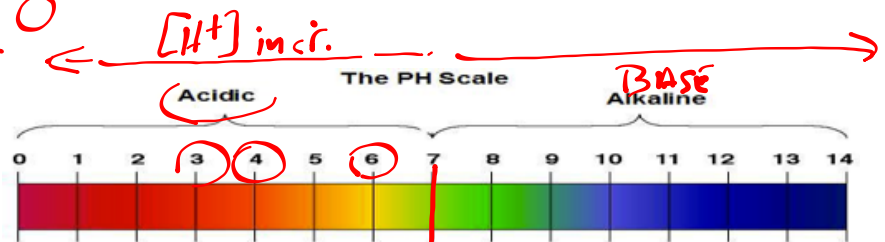
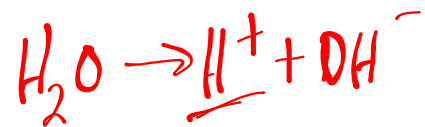
C.





Saturated Fatty Acid

Unsaturated Fatty Acid



$[H^+] >$
pure
water

Neutral
 $[H^+] =$
pure
water

$[H^+] <$
pure
water

