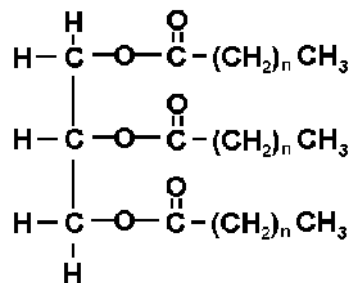
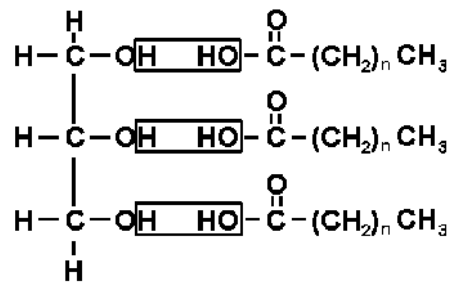


LIPIDS

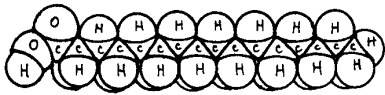
General Characteristics:

Building Blocks:

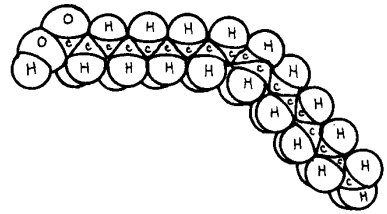


Fats:

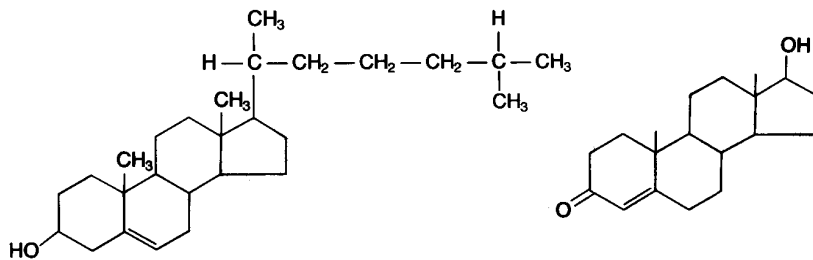
Saturated:



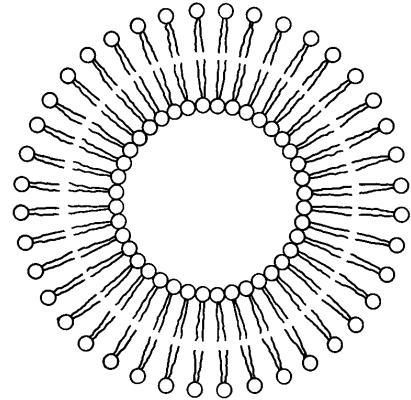
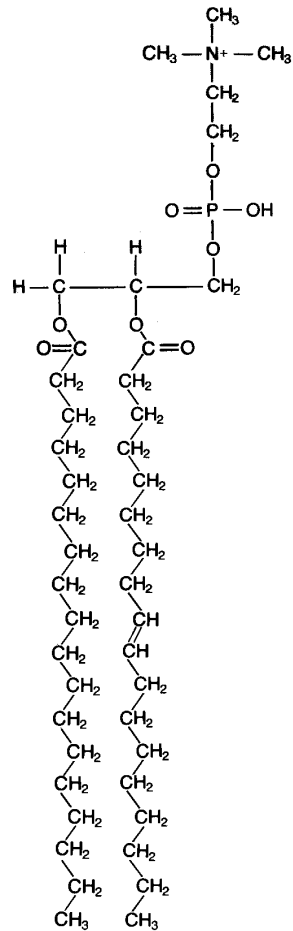
Unsaturated:



STEROIDS:



PHOSPHOLIPIDS:



QUESTIONS:

1. Why are lipids insoluble in water?

2. Indicate if each of the following is true of a **F**at, **P**hospholipid, or a **S**teroid.

_____ Consists of glycerol and three fatty acids

_____ Energy source

_____ Cushions and insulates

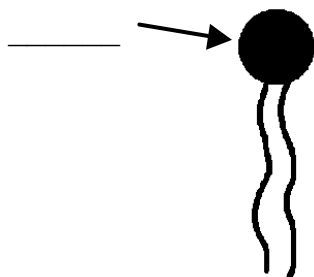
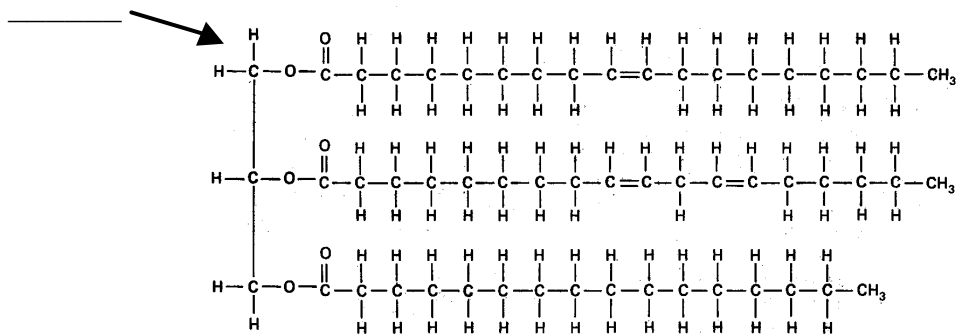
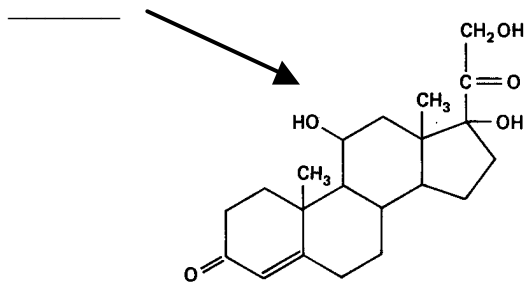
_____ Consists of glycerol, 2 fatty acids, and a phosphate group

_____ Triglycerides

_____ Part of the molecule is hydrophilic and the other part is hydrophobic

_____ Major component of cell membranes

_____ Consists of four fused carbon rings – three 6-sided rings and one 5-sided



4. Indicate if each of the following is true of **S**aturated or **U**nsaturated fats.

_____ 1 or more double bonds

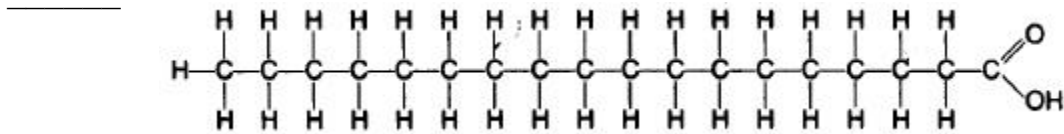
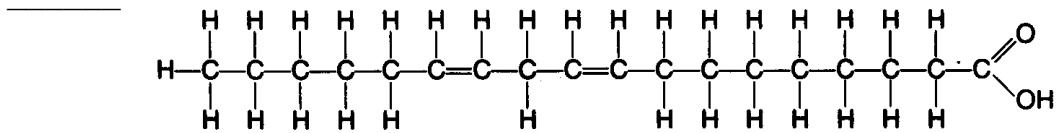
_____ Usually solid at room temperature

_____ Molecules are tightly packed together

_____ Usually liquid at room temperature

_____ Most plant fats

_____ Most animal fats



5. Why aren't unsaturated fats solid at room temperature?
