*Macromolecules*

*Lipids*

*For Upper Secondary Education, 16+*

Aim

You will be given simple materials with which you will create your own models of lipids.

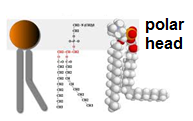
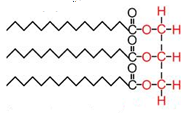
Additional aim

To make a model of the fluid mosaic model of the biological membrane.

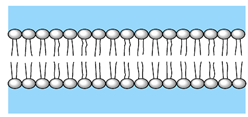
**Background….**

Name the three general lipid categories you have studied.

…………………………………, ………………………………. and ……………………………… .



Biological membranes are made mainly out of phospholipids which form bilayers as shown on the drawing.



1. Explain why phospholipids form bilayers.
2. Use the materials given to make:
   1. A triglyceride molecule
   2. A phospholipid molecule
   3. A model of the phospholipid bilayer.
3. Now try to add the other components of the biological membrane to your previous model (simple phospholipid bilayer) in order to make a model of the biological membrane!!

Also, visit these sites!!

1. <http://www.johnkyrk.com/cellmembrane.html>
2. <http://www.susanahalpine.com/anim/Life/memb.htm>

**Samples**

