Build a Membrane Model

**Building the Model**

Choose which model you would like to create. Make sure to label the following on your model:

|  |  |  |
| --- | --- | --- |
| Channel protein | Receptor protein | In |
| Out | O2 | H2O |
| CO2 | Phosphate head | Lipid tail |
| phospholipid |  |  |

**Analysis Questions**

1. Draw one phospholipid in the box below. Label the phosphate group head and fatty acid chain tails. Also, make sure to label the following parts that are: hydrophilic, hydrophobic.
2. Explain the importance of phospholipid arrangement in the cell membrane (why does it matter that the phosphate heads face out and tail point inward?)
3. List 3 functions the cell membrane has.
4. Explain the importance of the protein channel and receptor protein.