

Membrane Structure

1. _____ form bilayers in water because these molecules are _____.

This is because, they have a _____ phosphate _____ and a _____ hydro-_____ tail.

2. The Davson-_____ model of the membrane looks as follows:

They proposed this model due to evidence from electron _____ which seemed to show a double membrane.

3. The above model was rejected due to the following pieces of evidence

- a. _____ fracture electron _____ showed that the _____ went all the way through the membrane
- b. Analysis of the _____ show that there are parts of these molecules that are _____ and parts that are _____.
- c. Fusion of two membranes _____ dyed different colours: the colours _____ out, showing that the _____ move.

4. Draw and label the membrane as conceptualized by _____ - _____. This model can also be called the _____ mosaic:

5. Membrane _____ can have a diverse range of functions:

_____ proteins pass through the membrane entirely. These proteins can be for transport.

For example, _____ for passive transport, or _____ for _____ transport.

They can form _____ transport chains as well.

_____ proteins sit on the _____ heads. They could act as _____

binding sites or _____ enzymes.

6. _____ is part of the _____ plasma membrane as well. It _____

the fluidity and _____ of the membrane.