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|  | Topic: **Cell Membrane Structure**  Objective:  **I can describe the structure of the cell membrane.** | Name: |
| Class/Period: |
| Date: |
| Essential Question:  **What is the structure of the cell membrane?** | | |
| Questions: | Cell membranes   1. Robert Hook    1. Saw cork cells through a microscope    2. 1665 paper coined the term “cells 2. Cell Theory, late 1800s    1. All organisms are composed of cells    2. The cell is the basic unit of structure and function in organisms    3. 06_02bAll cells are produced by other cells 3. Membrane Structure    1. Lipid bilayer       1. Fatty Acid Tail- Nonpolar tails          1. Hydrophobic       2. Photsphate group head- Polar head          1. Hydrophilic       3. These are called phospholipids    2. Cholesterol       1. Gives membrane strength    3. Proteins       1. Creates pores or channels to allow ions and molecules to pass through       2. Different cells allow different ions/molecules through       3. Some proteins act as “flags” so cells can recognize others.    4. Fluid Mosaic Model       1. Current model for understanding the membrane structure and function       2. States that:          1. Phospholipids can move freely around the bilayer          2. Proteins can move around also          3. This movement is like a fluid (or a bubble!) | |