

**Name:**  
**Block:**  
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### Cell Membranes Worksheet

Instructions: Using a biology textbook, answer the following questions to help you understand the importance of cell membranes to supporting life.

1. Define “cell membrane”, and explain some important roles cell membranes play in supporting life.
2. Define “phospholipid”, and DRAW a phospholipid molecule. Label all important parts of the molecule.
3. Define “phospholipid bilayer”, and DRAW a phospholipid bilayer. Label all important parts of the structure, including any structures found in and around the phospholipid bilayer. Explain the importance to the cell of any structures you draw.
4. Describe “hydrophilic heads”, and explain the importance of hydrophilic heads for the phospholipid molecule in a way that makes sense to you.
5. Describe “hydrophobic tails”, and explain the importance of hydrophobic tails for the phospholipids molecule in a way that makes sense to you.