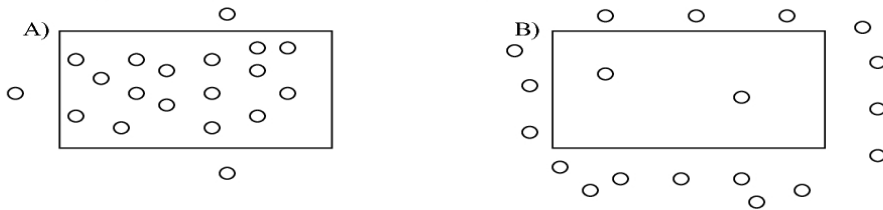
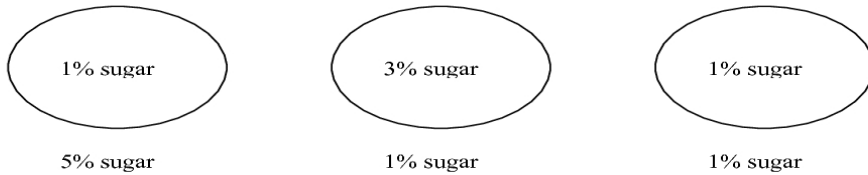


Diffusion Worksheet

1. Use arrows to indicate the direction of diffusion in each case: ○ is a molecule that can pass through the cell membrane. □ is a cell membrane.



2. For each of the situations below use an arrow to indicate the net movement of **sugar** into or out of the cell. (Assume that the sugar molecules can pass through the cell membrane in each case.)



3. The cell membrane is made of a \_\_\_\_\_.
4. The cell membrane is \_\_\_\_\_ permeable. This means that \_\_\_\_\_.
5. Diffusion always causes particles to move from a region of \_\_\_\_\_ concentration to a region of \_\_\_\_\_ concentration.
6. Does a cell expend energy when molecules diffuse in or out of the cell?