

**Passive Transport and Cell Membrane Worksheet**

Name \_\_\_\_\_  
Date \_\_\_\_\_ Period \_\_\_\_\_

Pages 95-97

1. When molecules diffuse in/out of a cell is the cell doing work? Explain.
  
2. Describe the state of equilibrium.
  
3. True or False? At equilibrium the random movement of molecules stops.  
Explain using the term "net movement".
  
4. What are the solute \_\_\_\_\_

the different types of cellular transport. Place an "X" if the \_\_\_\_\_  
transport.

Does use cellular energy	Occurs across the cell membrane	Involves proteins in the cell membrane	Involves molecules and/or ions	Based on the random movement of particles

4. Complete the following comparison chart for each characteristic is true for each type of cellular transport.

Type of cellular transport	Does <u>not</u> use cellular energy	Does use cellular energy
Diffusion		
Facilitated diffusion		
Active transport		