**Writing an Introduction**

1. What is the main function of a cell membrane?
2. Why might a cell need to take molecules in?
3. Why might a cell need to send molecules out?
4. What is diffusion?
5. What is osmosis?
6. Does diffusion or osmosis require energy?
7. How are solutes and water able to move across a cell membrane if no energy is used?
8. What two things must be true about solutes that cross a cell membrane passively?
9. What is your hypothesis?