

## Osmosis and Diffusion Worksheet

Answer the questions below.

1. How is osmosis related to diffusion?
  
2. What are the two things needed for osmosis to take place?
  
3. What does the term semi permeable or selectively permeable mean?
  
4. Define the following terms:
  - a. hypertonic
  
  - b. Hypotonic
  
  - c. isotonic
  
5. If you were to dissolve some sugar in a liter of water and then place some of this solution into a dialysis bag; then place the bag into a beaker of distilled water, what would happen to the size and weight of the bag of sugar water?
  
6. Explain the mechanism of what happened to the bag using the terms, concerning osmosis, you have learned in class.
  
7. Draw out the above procedure and then explain what you would have to do to reverse the process.
  
9. Why do saltwater fish die when placed in freshwater? Explain your answer using what you have learned about osmosis.