

## Practice Quiz Answers Diffusion

**MULTIPLE CHOICE-** Select the answer that best makes the following statements true by putting the letter corresponding to your answer in the space by the statement.

- \_\_\_\_\_ 1. Diffusion into a cell can be by:  
A. osmosis. **C. Both A and B**  
B. dialysis. D. Neither A nor B
- \_\_\_\_\_ 2. An aquatic single cell protists that is 85% water reponds to an environment that is 20% salt by:  
A. losing salts D. A and C  
B. increasing in size E. A, B, and C  
**C. losing water**
- \_\_\_\_\_ 3. Besides temperature, the rate of diffusion into a cell is affected by:  
A. the amount of water D. B and C  
B. the conductivity of the cytosol E. A, B, and C  
**C. the concentration gradient of solutes**
- \_\_\_\_\_ 4. A phosholipid has a nitrogen-phosphate group that is:  
**A. polar and water soluble**  
B. non-polar and water soluble D. polar and water insoluble  
C. non-polar and water insoluble E. none of these

**TRUE-FALSE:** Circle either **T** for **TRUE** or **F** for **FALSE** for the following statements.

- T F** 5. Conductivity is measured in units of centimeters/sec.
- T F** 6. Diffusion by passive transport requires no energy expended by the cell
- T F** 7. Diffusion can not occur if osmosis is operating.
8. This is a LoggerPro graph of the data you will collect. Label the dependent and independent axes.

