**A&P 12**

**Chapter 4**

**STUDY QUESTIONS – PLASMA MEMBRANE**

1. List 2 ways water can move through a cell membrane.

2. Give: 4 functions for proteins in cell membranes, 1 function for carbohydrate chains, and 1 function for cholesterol.

3. Define diffusion and give an example of diffusion in cells.

4. Define osmosis.

5. Define isotonic, hypertonic and hypotonic.

6. Draw animal cells and plant cells in both hypertonic and hypotonic solutions. Name the process happening in each, and use arrows to show the movement of water in each.

7. How are facilitated transport and active transport similar (1 way) and different (2 ways)?

8. Define exocytosis, and sketch a simple diagram of it.

9. Define endocytosis. Define phagocytosis and pinocytosis. Sketch the last two.