

Exchange with Environment (Ch 3, sec 2)

Name _____

Period _____

1. Complete this sentence:

_____ is the main method by which _____
move across the _____.

2. What is the process of diffusion?

3. What causes diffusion?

4. What is the process of osmosis?

5. In Figure 9B water moves out of a red blood cell. Explain why this happened. In Figure 9C water moves into a red blood cell. Explain why this happened.

6. What is passive transport? What two processes are examples of passive transport?

7. What is active transport?

8. Explain how transport proteins carry molecules into and out of cells.

9. Explain the process of engulfing.

10. Why are cells so small?

Class Discussion

11. What is the process of engulfing called? Why do cells need to use this process? Diagram this process.

12. What is the opposite process that removes large particles called? Diagram this process.