

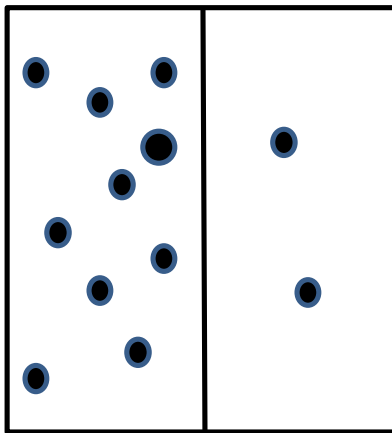
Name _____

Cell Transport

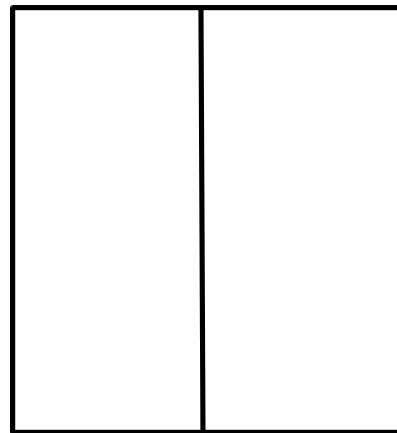
Use pages 208-214 in the biology text book with the parrot on the front to complete this assignment.

1. What is the most important function of the cell membrane?
2. Define DIFFUSION-
3. Because of diffusion, if a cell has a higher concentration of a substance on one side of its membrane than on the other side, what will happen to the concentration levels?

4. before diffusion



after diffusion



Complete “after diffusion” to show the end result.

5. Define FACILITATED DIFFUSION-
6. How much energy do diffusion and facilitated diffusion require?
7. Define OSMOSIS-
8. Define ISOTONIC-
9. Define HYPERTONIC-
10. Define HYPOTONIC-

11. Click on the link “Questions 11-13” on the website.

Molecules Name	Red Blood Cell: Net movement in/out	Red Blood Cell: Appearance	Elodea: Net movement in/out	Elodea: Appearance	Paramecium: Net movement in/out	Paramecium: Appearance
Hypotonic Solution						
Isotonic Solution						
Hypertonic Solution						

12. Could elodea or paramecium from a fresh water lake, transplanted into the ocean be expected to survive? Why?

13. If you were to cook a steak would it be better to put salt on it before or after? Explain in terms of osmosis.

14. Define ACTIVE TRANSPORT-

15. What is the main difference between active and passive transport?

16. How are small molecules transported across cell membranes in active transport?

17. What is ENDOCYTOSIS?

18. What are the two types of Endocytosis?

19. What is the difference between the two types?

20. What is EXOCYTOSIS?

21. What is the difference between Endocytosis and Exocytosis?

22. Define HOMESTASIS-