

Biology test for chapter 8

Name _____

Date _____

1. List three of the four functions of the cell membrane. (bonus points for all 4)

2. Explain diffusion and provide an example?

3. Explain osmosis.

4.

Match:

There is greater water concentration outside the cell than inside *

There is the same water concentration outside of the cell as the inside*

There is a lower concentration of water outside of cell than inside*

* Water moves out of cell and shrinks

* Water moves in and out; cell stays

same

*Water moves into the cell; cell swells

5. What is the difference between active transport and diffusion?

6. Why are cells so small?

7. How do cells recognize each other?

8. Why do plants look green?

9. Explain how breathing and cellular respiration are similar.

10. Where does cellular respiration take place? _____
11. What is the function of ATP in cellular respiration? _____
12. What happens to white light when it passes through a prism? Draw and label a diagram.

13. How is a wave length described?

14. Why do leaves change color in the fall?

15. True or false:

Plant cells undergo cellular respiration. _____

Animal cells can make their own food. _____

Diffusion uses no energy. _____

Lettuce wilting in the sun is an example of active transport. _____

Extra Credit:

Describe and draw the cell membrane.