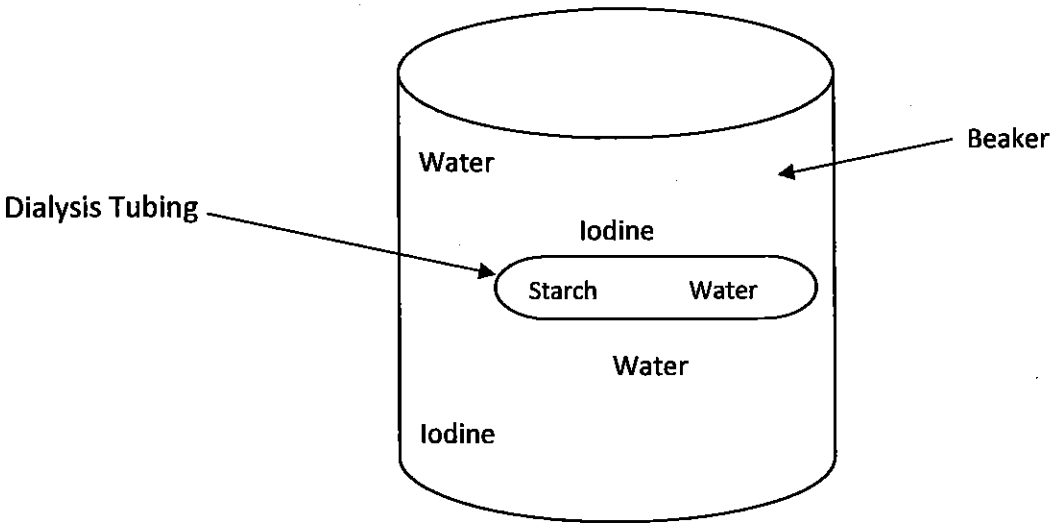
Name: _____ Period: _____ Date: _____

Cell Transport



The dialysis tubing inside the beaker is **permeable** to water and iodine, but not to starch.

1. This means that _____ and _____ can go into and out of the dialysis tubing.

2. _____ cannot, therefore _____stays in the:

dialysis tubing or the beaker

3. When iodine comes into contact with starch, it turns a deep blue-black color.

This blue-black color would be seen in the **dialysis tubing** or the **beaker**?

_____

4. Why? _____

_____

For the following choose:

A) diffusion **B) osmosis** **C) both** **D) neither**

5. The movement from a more concentrated area to a less concentrated area: _____

6. The movement of salt from where there are a lot of salt molecules to where there are a few salt molecules: _____

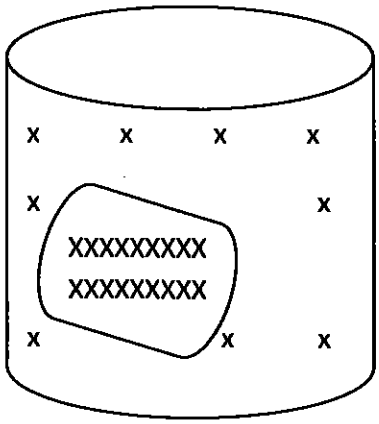
7. Moving up the concentration gradient from areas of low concentration to an area of high concentration: _____

8. Movement of water down the concentration gradient: _____

9. Active transport: _____

10. Passive transport: _____

Place the arrow in the correct direction to show *passive transport*:



Draw a picture showing *active transport*: Be sure to include an arrow!