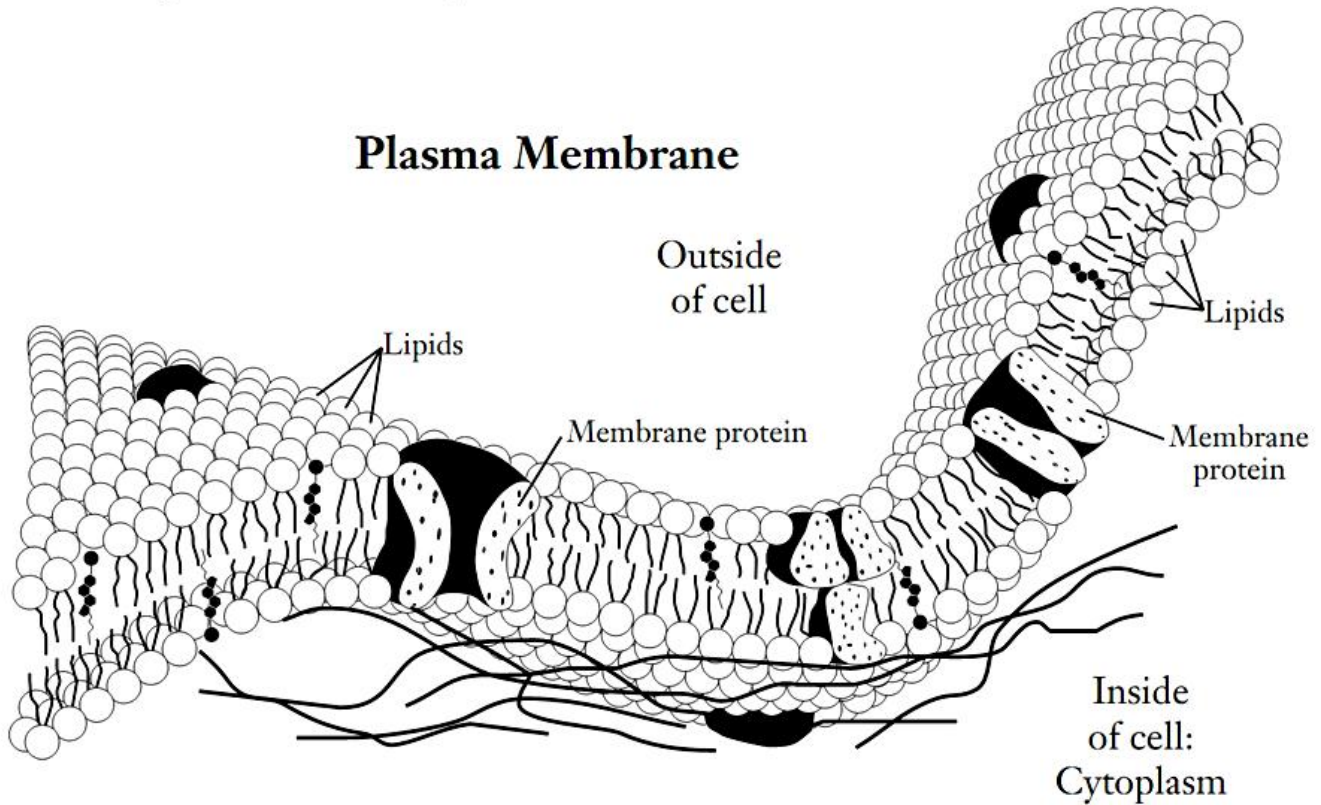


Name \_\_\_\_\_

Date \_\_\_\_\_

## WARM-UP: HOMEOSTASIS AND THE CELL MEMBRANE

Use the diagram to answer the questions.



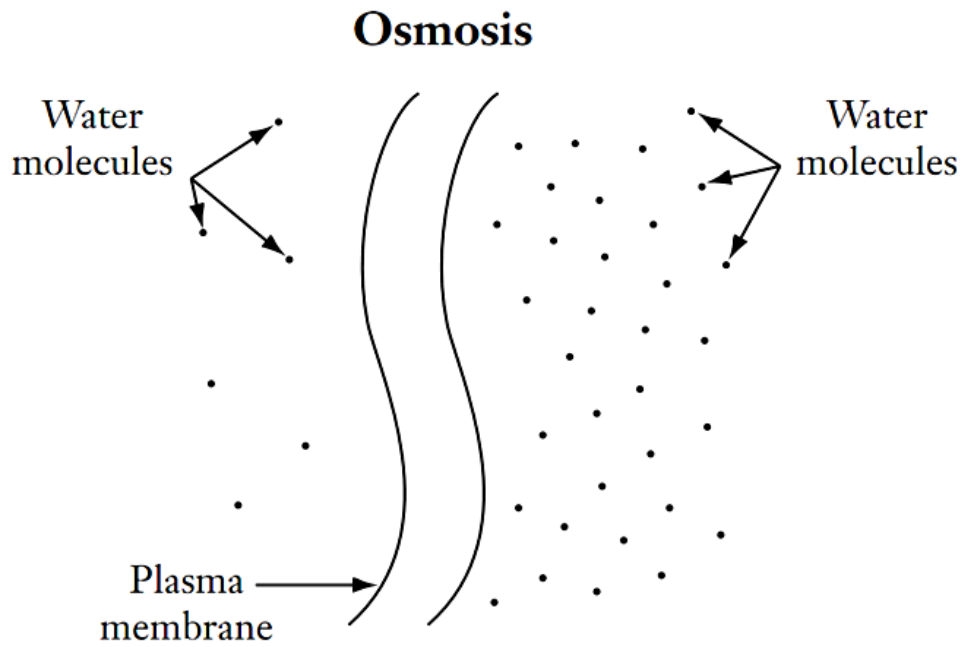
1. The outside layers of a plasma membrane are made up of \_\_\_\_\_ .
2. How many layers of lipids are there in the plasma membrane? \_\_\_\_\_
3. Proteins called \_\_\_\_\_ proteins are found within the plasma membrane.
4. How do the membrane proteins prevent substances from entering or exiting the cell? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
5. How are the lipid molecules arranged in the membrane? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Name \_\_\_\_\_

Date \_\_\_\_\_

## CELLULAR TRANSPORT

Study the diagram and read the caption. Then answer the questions.



Osmosis occurs when water molecules move through the plasma membrane. The molecules move from an area of higher water concentration to an area of lower water concentration.

1. Draw an arrow across the plasma membrane in the diagram to show which way water molecules move during osmosis.
2. Osmosis is a type of diffusion. In osmosis, what substance moves? \_\_\_\_\_
3. In osmosis, the moving substance passes through a \_\_\_\_\_ membrane.
4. After osmosis, there is a balance of water molecules inside and outside the cell. Draw water molecules in the diagram above to show what the cell looks like after osmosis.