

CELL WORKSHEET

1) How many layers of phospholipids does a cell membrane have?

2) What part of the membrane is hydrophilic? Hydrophilic?

3) The glycerol heads face _____ The fatty acid tails face _____

4) What are the jobs of the proteins in the cell membrane?

5) What is diffusion?

6) What is osmosis?

7) What does facilitated diffusion mean?

8) Give two examples, hypotonic and hypertonic.

9) A cell is 80% water and 20% solutes. The cell is placed in an environment of 70% water and 30% solutes.

a) What term applies to the outside environment?

b) Which way is the water going to go?

c) What is going to happen to the shape of the cell?

10) Another cell with the same concentrations is placed in a solution of 90% water and 10% solutes.

a) What term describes the outside of the cell?

b) Which way is the water going to move?

c) What is going to happen to the cell's shape?

11) What does active transport require?

12) How is endocytosis different from active transport?

13) The two types of endocytosis are _____ and _____.

14) Which are more solid particles? Phagocytosis?