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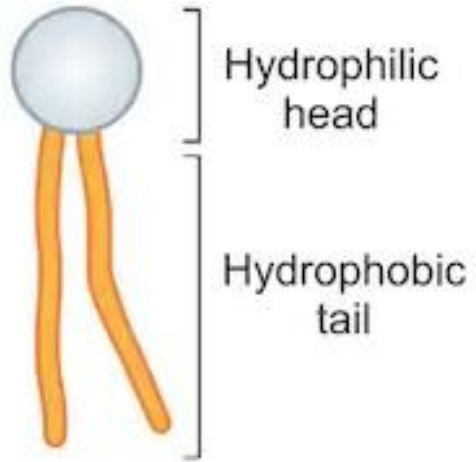
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Name _____ Date _____

Phospholipid Bellringer



1. What type of biomolecule is this? _____
2. Look up the definition of hydrophilic: _____

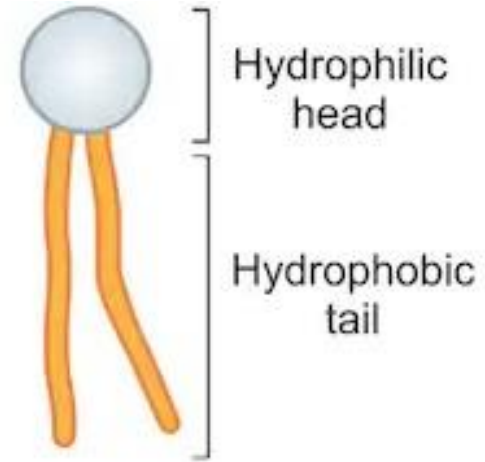
3. Look up the definition of hydrophobic: _____

4. Which end would mix with water? _____
5. Which end would repel water? _____
6. Look up the phrase "like dissolves like" and explain what it means. _____

7. The cell membrane of all organisms is made of a "phospholipid bilayer." Explain what that would be. _____

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Phospholipid Bellringer



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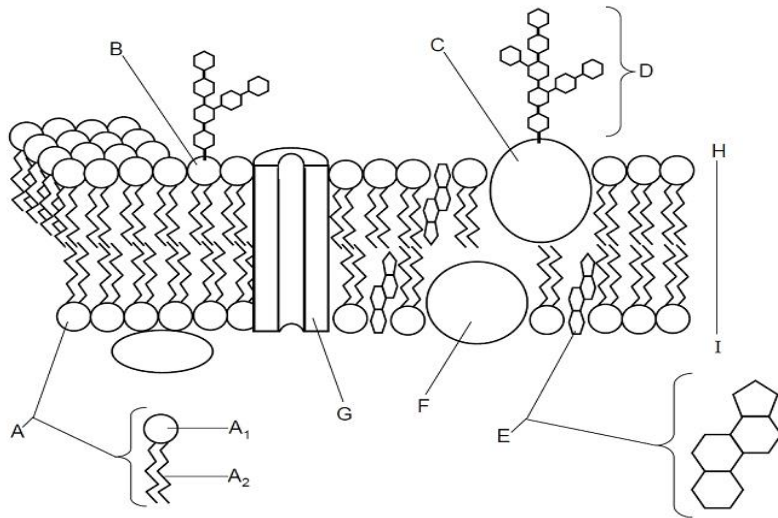
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Name _____ Date _____

Cell Membrane Bellringer



Label the following parts (not all the letters get used):

- _____ cholesterol
- _____ phospholipid
- _____ protein channel
- _____ phospholipid bilayer
- _____ carbohydrate chain

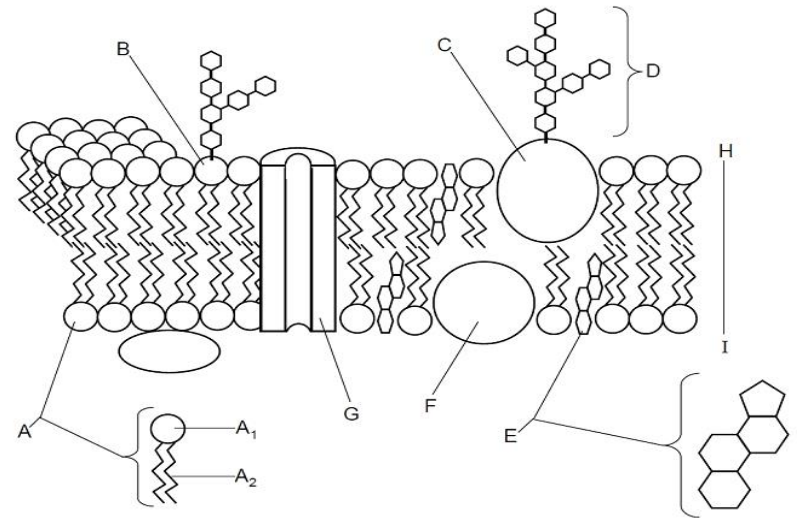
Match the parts above to the correct function:

- _____ double layers of special lipids that make up the cell membrane
- _____ specialized lipid with a hydrophobic tail and a hydrophilic head
- _____ molecule that provides structure and allows certain molecules to cross the cell membrane
- _____ molecule that acts as an ID badge for cells
- _____ molecule that helps the cell membrane stay fluid and flexible

Why is the cell membrane known as a fluid mosaic? _____

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Name _____ Date _____

Osmosis Bellringer

Watch the video and answer the questions: bit.ly/2FFQn8o

The two eggs in the video have had their shells dissolved in vinegar. This allows the egg to be used as a model for how a cell would change in different solutions.

Explain what happens to the egg on the right. _____

Explain what happens to the egg on the left. _____

What kind of solution would the egg on the right be in to cause this change? _____

What kind of solution would the egg on the left be in to cause this change? _____

Using what we learned in class, explain the movement of water across a semi-permeable membrane to explain what happened to each egg.

Match the following terms to the correct definition:

Hypertonic

Hypotonic

Isotonic

_____ solution in which the inside of the cell is the same concentration as the outside

_____ solution that is more concentrated than the cell

_____ solutions that is less concentrated than the cell

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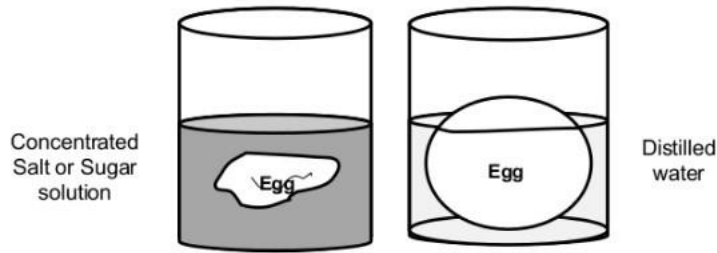
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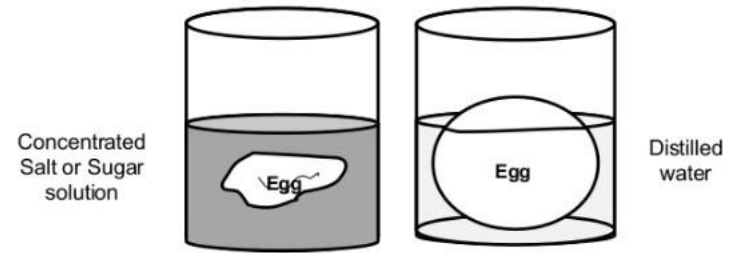
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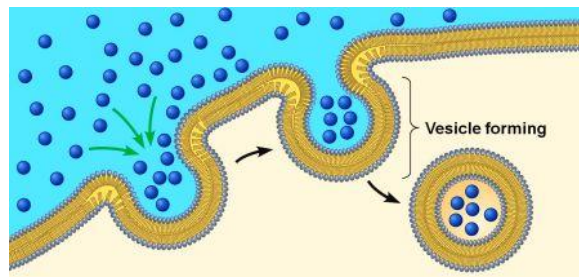
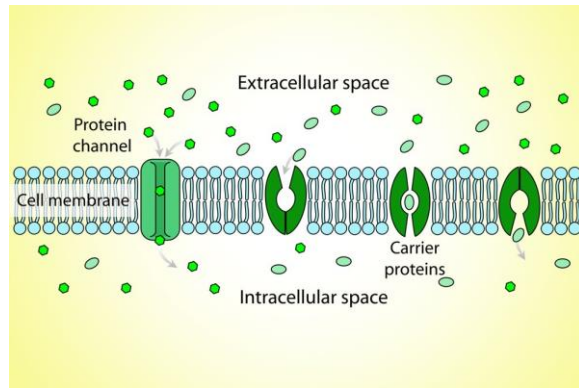
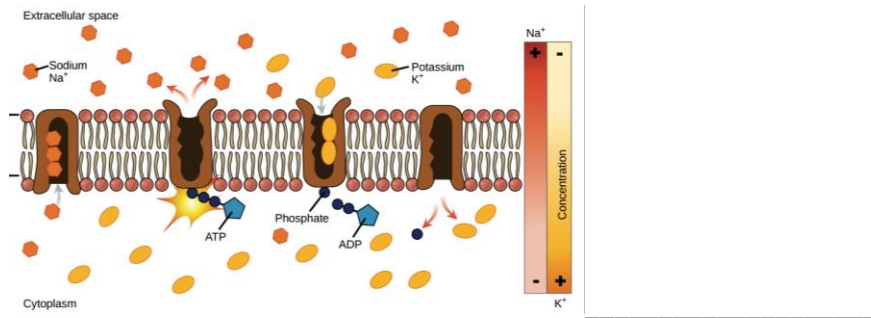
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Name _____ Date _____

Types of Transport Bellringer

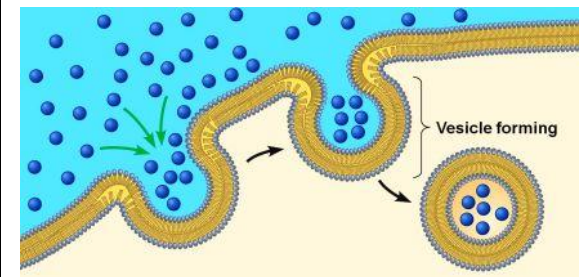
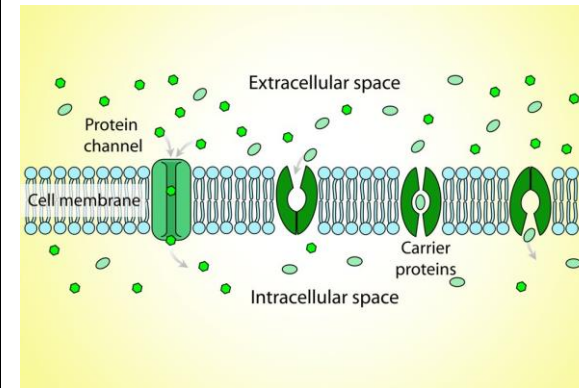
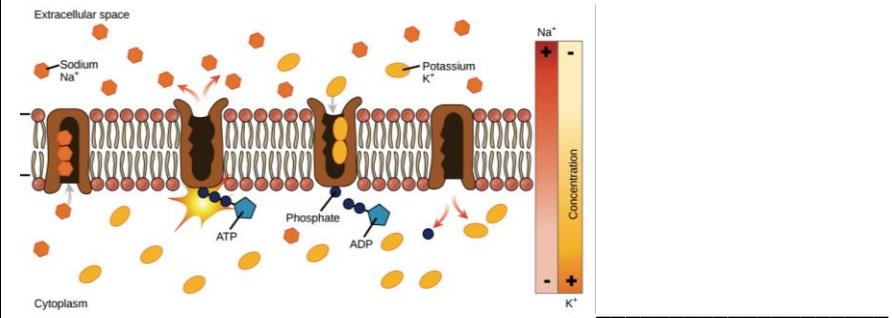
Label each type of transport as: diffusion, osmosis, endocytosis, facilitated diffusion, exocytosis, or a protein pump. Then, add an A for active transport or a P for passive transport.



Name _____ Date _____

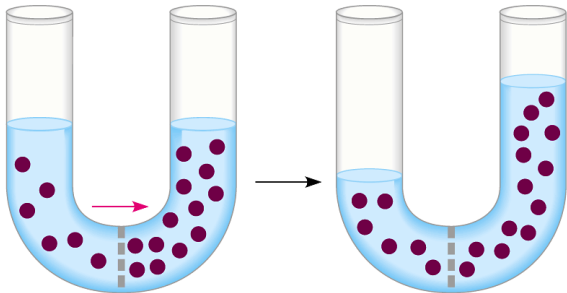
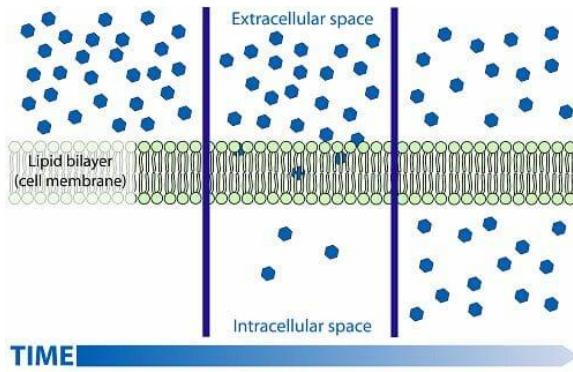
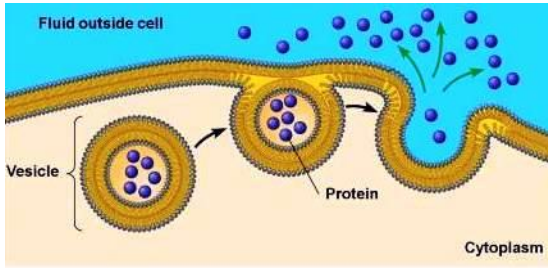
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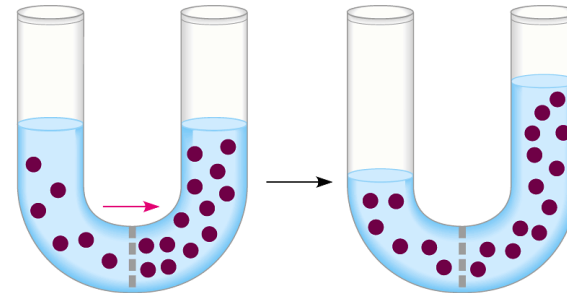
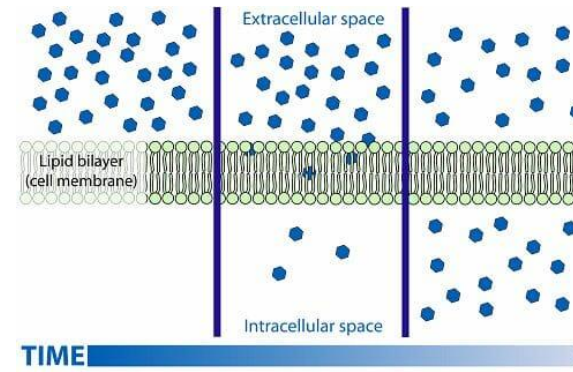
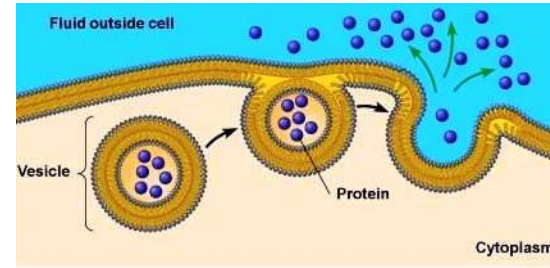
Types of Transport Bellringer (con't)



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Name _____ Date _____

Types of Transport Bellringer (con't)



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Name _____

Date _____

3-2-1 Bellringer

3 Things I Noticed:

1 Thing I Wonder:

2 Things I Think:

I think _____ because I
observe _____.

Name _____

Date _____

3-2-1 Bellringer

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