Name_____ Period_____ Date_____

Review of Cell Transport For Exam

1_____Term meaning the cell cytoplasm has a higher concentration of water than its surroundings.

2_____Term meaning the diffusion of water from high concentration to low concentration.

3_____Term meaning a membrane allows small particles to pass through but doesn't allow molecules larger than its pores to pass through.

4_____Term meaning random movement of any particles from high concentration to low concentration.

5_____Term meaning the cell cytoplasm has an equal concentration of water as its surroundings.

6_____Term for any type of movement of molecules from low to high concentration, thus using energy.

7_____Type of diffusion where a special protein molecule in the membrane moves specific molecules across the membrane from high to low concentration.

8_____Name (abbreviation) of the molecule that supplies energy for active transport.

9_____Term meaning a vacuole in a cell merges with the plasma membrane to release its contents outside the cell.

10_____Term meaning a special kind of endocytosis where liquid molecules are brought inside a cell when the plasma membrane surrounds the liquid, forming a vacuole that moves inside the cell.

11_____Term meaning a special kind of endocytosis where large particles or microorganisms are ingested into the cell when the plasma membrane surrounds them to form a vacuole.

12_____Type of membrane that has large pores that allows most molecules to pass through.

13_____Name of theory which describes how the first eukaryotic cells may have formed when small prokaryotic cells came to live inside each other, thus helping each other have a greater chance to survive.

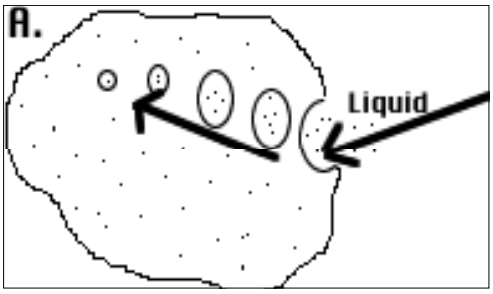
14_____Type of "pump" in the membrane where hydrogen ions (also known as protons) are pumped to the outside of the membrane where they become concentrated.

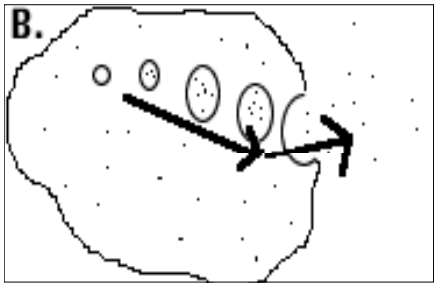
15_____Type of "pump" where 3 sodium ions are transported out, 2 potassium ions are transported in, and a charge imbalance across the membrane is created.

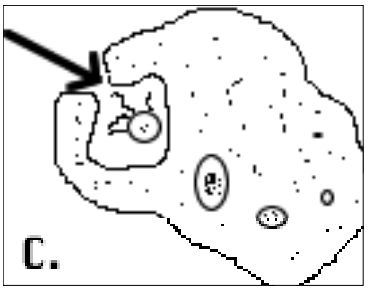
16_____Term meaning a special process where a protein channel is paired with a sodium-potassium pump which powers the transport of macromolecules such as sugars into the cell.

17_____Term meaning the cytoplasm of a cell has a lower water concentration than its surroundings.

Identify each process below:







18_____ 19_____ 20_____

21. Describe what will happen in terms of osmosis of water in the diagram below.