

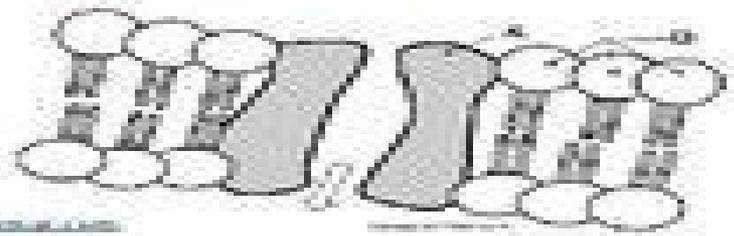
Reinforcement: Cell Transport  - ANSWER KEY

Diffusion	Cystic Fibrosis	Semipermeable	Equilibrium
Facilitated Diffusion	Osmosis	Isotonic	Hypertonic
Hydrophilic	Muscle Cells	Passive Transport	Active Transport
Endocytosis	Exocytosis	Membrane	Contractile Vacuole

- The movement of molecules from an area of high to low concentration: diffusion
- The movement of water across a membrane: osmosis
- A solution that has **more** molecules (like salt) outside the cell is a hypertonic solution.
* Cells in this solution will gain or lose water? lose
- A solution that has **less** molecules (like salt) outside the cell is a hypotonic solution.
* Cells in this solution will gain or lose water? gain
- A solution that has **the same number** of molecules as the cell is a isotonic solution.
- This disease is caused by a failure of the cell membrane, which causes mucus to build up in the lungs: cystic fibrosis
- Cell membranes will let some things pass through them, this means they are semipermeable
- Type of transport that does not require energy: passive transport
- Type of transport that does require energy: active transport
- When molecules are even throughout a space, it is called equilibrium
- This organelle pumps out excess water: contractile vacuole
- The maintaining of a biological balance, or wholeness: homeostasis
- The outer boundary of all cells, its job is to move things in and out of the cell: membrane
- Type of transport where a cell takes in a large particle, like food: endocytosis
- Type of transport where a cell pushes out large particles, like waste: exocytosis
- Type of transport where protein channels help move molecules across the membrane: facilitated diffusion

17. Label the Cell Membrane:

- Phospholipids B
 Transport Protein A



Measuring Up Biology Answer Key Lesson 13

J Spring



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