Name: _____Key_____ Period: _____ Date: _____

Cell Transport Study Guide

1. What does homeostasis mean? How do the cells maintain homeostasis?
   Homeostasis means that the cell maintains a constant internal condition by responding to their internal and external environment.
   Cells maintain homeostasis by controlling the movement of substances across their cell membrane.

2. What are the two kinds of transport that can happen in the cell?
   The two types of transport that can happen in the cell are passive transport and active transport.

3. What is the difference between the two kinds of transport?
   Passive transport does not require energy.
   Active transport requires energy.

4. What does it mean if I say there is a concentration gradient?
   There is a concentration gradient means that the concentration (amount) of a substance on one side is higher than the concentration on the other side.

5. What is the ultimate goal for each cell to reach? What does it mean when they reach this state?
   The ultimate goal for a cell is reach EQUILIBRIUM.
   When a cell reaches equilibrium it means that the concentration of a substance is equal on both sides of a membrane.

6. Which type of transport needs energy? Why do they need that energy (talk about the concentration gradient)?
   Active transport needs energy.
   They need the energy because the substance being transported goes against the concentration gradient.

7. Which type of transport does not need energy? Why don't they need that energy (talk about the concentration gradient)?
   Passive transport does not need energy.
   They do not need to use energy because the substance being transported goes in the same directions as the concentration gradient.

8. Are the molecules still moving when the cell reaches equilibrium?
   Yes molecules are constantly moving.

9. What are the two types of passive transport the cell can go through?
   Passive transport consists of diffusion and osmosis.

Cellular Transport Study Guide

Tao Wei

Cellular Transport Study Guide:

Enjoying the Tune of Appearance: An Emotional Symphony within **Cellular Transport Study Guide**

In a world eaten by displays and the ceaseless chatter of instantaneous conversation, the melodic splendor and mental symphony created by the prepared term usually disappear into the background, eclipsed by the relentless noise and interruptions that permeate our lives. However, located within the pages of **Cellular Transport Study Guide** a stunning fictional prize brimming with organic emotions, lies an immersive symphony waiting to be embraced. Constructed by a masterful composer of language, that captivating masterpiece conducts readers on an emotional trip, well unraveling the concealed melodies and profound affect resonating within each carefully constructed phrase. Within the depths of this moving assessment, we shall examine the book is main harmonies, analyze their enthralling writing type, and surrender ourselves to the profound resonance that echoes in the depths of readers souls.

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