* What is the process of active transport?
* How do large particles enter or exit cells?

ESSENTIAL QUESTIONS:

* Active Transport
	+ Sometimes substance must move \_\_\_\_\_\_\_\_\_\_\_\_\_\_ the concentration gradient (from \_\_\_\_\_\_ to \_\_\_\_\_\_\_\_\_\_ concentration). This requires \_\_\_\_\_\_\_\_\_\_\_\_\_\_ (ATP) and is called **active transport**.
	+ Occurs with the aid of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ proteins, often called \_\_\_\_\_\_\_\_\_\_\_\_.
* Example of Active Transport: Na+/K+ ATPase Pumps
	+ Found in the \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of animal cells.
	+ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ levels of sodium (Na+) and potassium (K+) inside/outside the cell.
	+ Large molecules like \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ need to move \_\_\_\_\_\_\_\_\_\_\_\_\_\_ a concentration gradient to get into the cell.
	+ In a process called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, sugars can pair with Na+ ions and enter the cell through a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ protein called a \_\_\_\_\_\_\_\_\_\_\_\_\_\_ channel.
	+ This allows sugars to enter through \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ - saving energy.



* Transport of Large Particles
	+ **Endocytosis** is the process by which a cell \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ an object in the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ environment in a portion of the plasma membrane.
	+ **Exocytosis** is the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of materials at the plasma membrane.