

# Cell Membrane and Transport

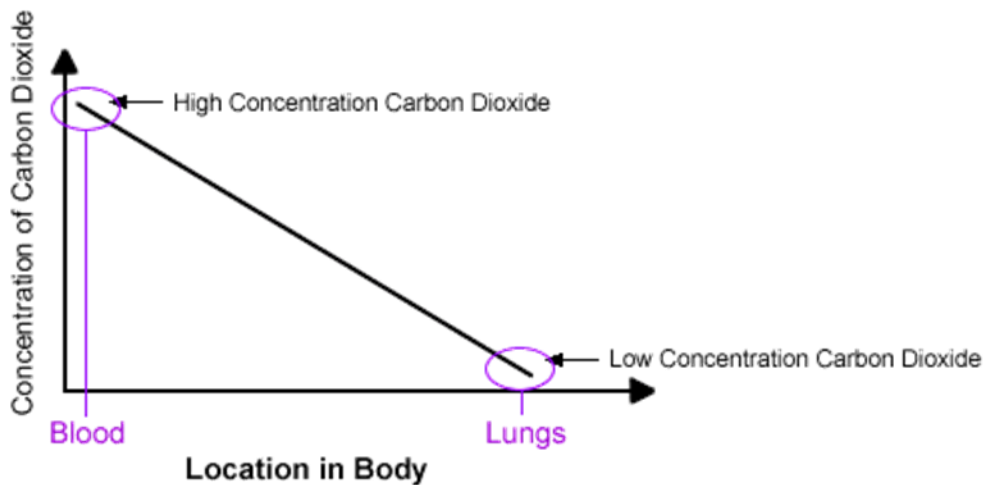
Getting material \_\_\_\_\_ and \_\_\_\_\_ of the \_\_\_\_\_

## Transport

- Getting material in and out of the cell
- Two categories of transport are \_\_\_\_\_ and \_\_\_\_\_

\_\_\_\_\_ Transport:

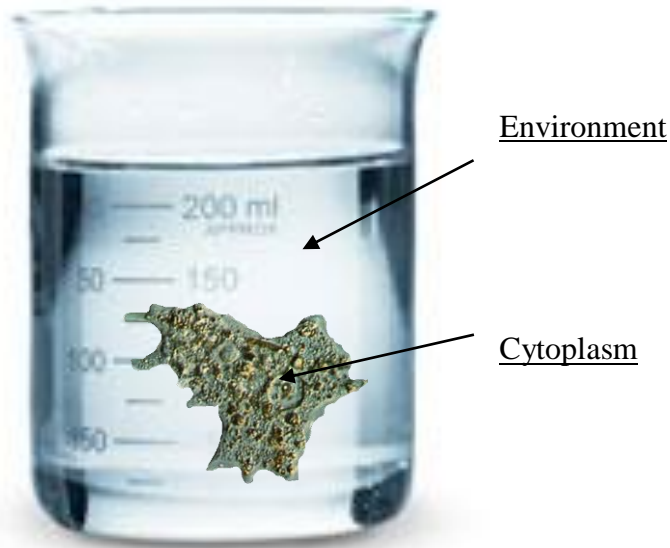
- Cell uses \_\_\_\_\_ to \_\_\_\_\_
- \_\_\_\_\_ (from \_\_\_\_\_ concentration to \_\_\_\_\_ concentration)
- Down the \_\_\_\_\_



Osmosis: \_\_\_\_\_ of \_\_\_\_\_



Movement of material from



A cell in a \_\_\_\_\_ environment  
will \_\_\_\_\_



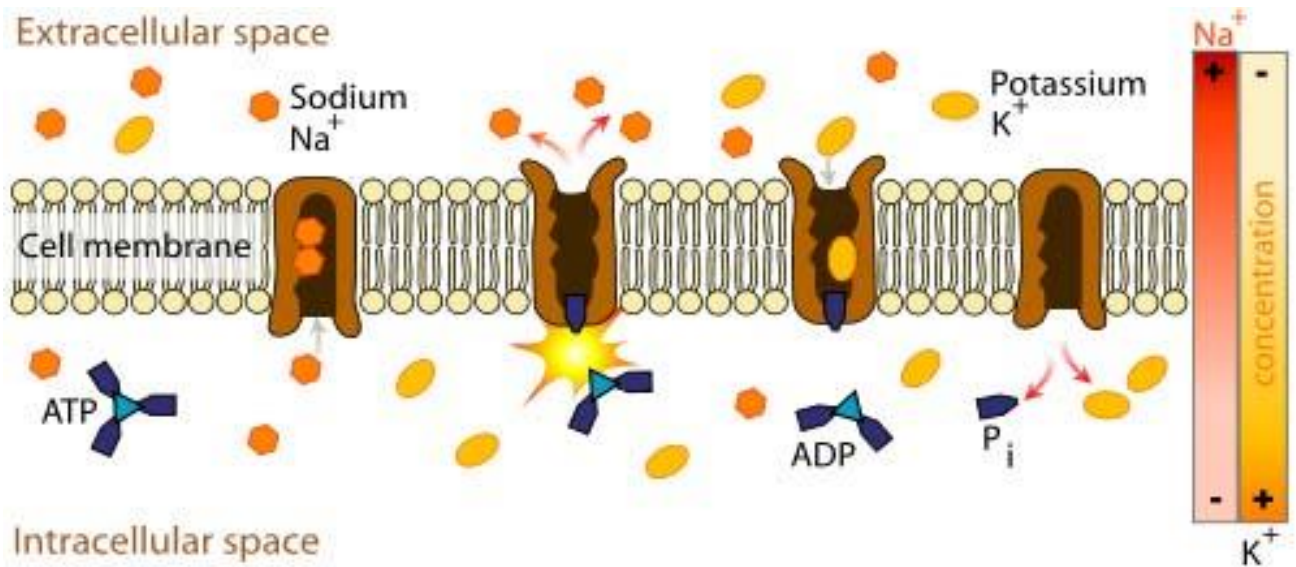
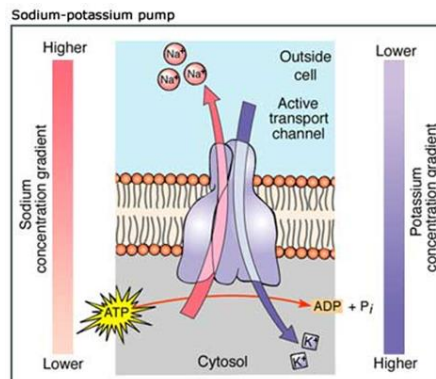
A cell in a \_\_\_\_\_ environment  
will \_\_\_\_\_



A cell in a \_\_\_\_\_ environment  
will \_\_\_\_\_

# Active Transport

- Cell \_\_\_\_\_ to move materials
- “Up” the concentration gradient
- From \_\_\_\_\_ concentration to \_\_\_\_\_ concentration
- Uses \_\_\_\_\_ in the cell membrane



## Contractile Vacuoles

- Fresh-water is \_\_\_\_\_ tonic
- Cells in fresh-water \_\_\_\_\_ water
- Since pumping takes \_\_\_\_\_ this is an example of \_\_\_\_\_ transport

## More Active Transport

- Endocytosis = \_\_\_\_\_  
\_\_\_\_\_
- Phagocytosis = \_\_\_\_\_
- Pinocytosis = \_\_\_\_\_  
\_\_\_\_\_
- Receptor-mediated endocytosis = \_\_\_\_\_