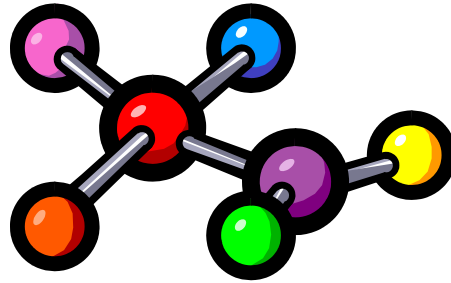
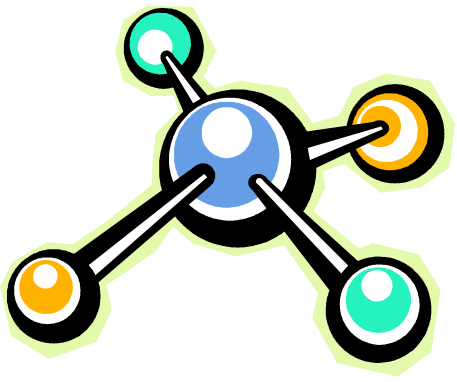


How do molecules move around?



- Diffusion is the movement of molecules from
a _____

to a _____

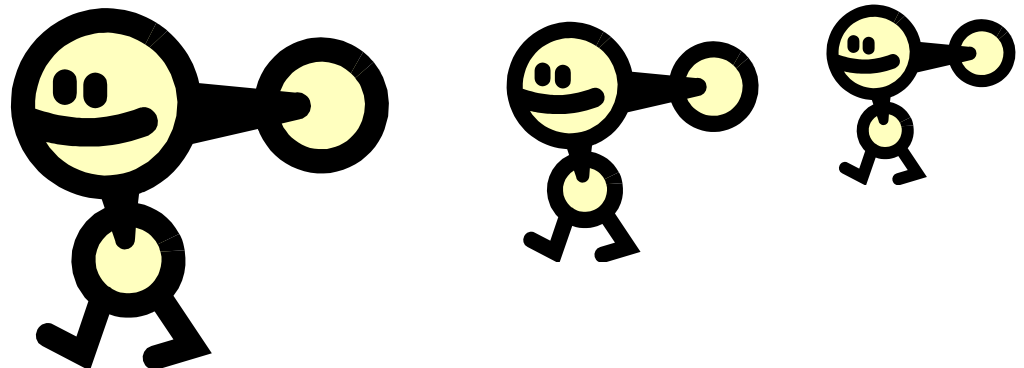


Whaddaya mean,
molecules MOVE ??????

You gotta be kidding me!

Yeah, right

- [diffusion animation](#)



To go into or out of a cell by diffusion or osmosis

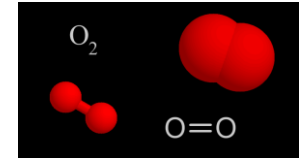
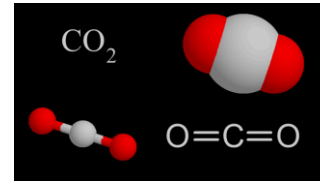
(_____)

A molecule must be . . .

- The right _____ to pass through an opening
- The right _____ to pass through an opening
- Going from a _____ concentration

Cell membranes must have

- Small openings for **small molecules**



- Medium openings for **medium molecules**

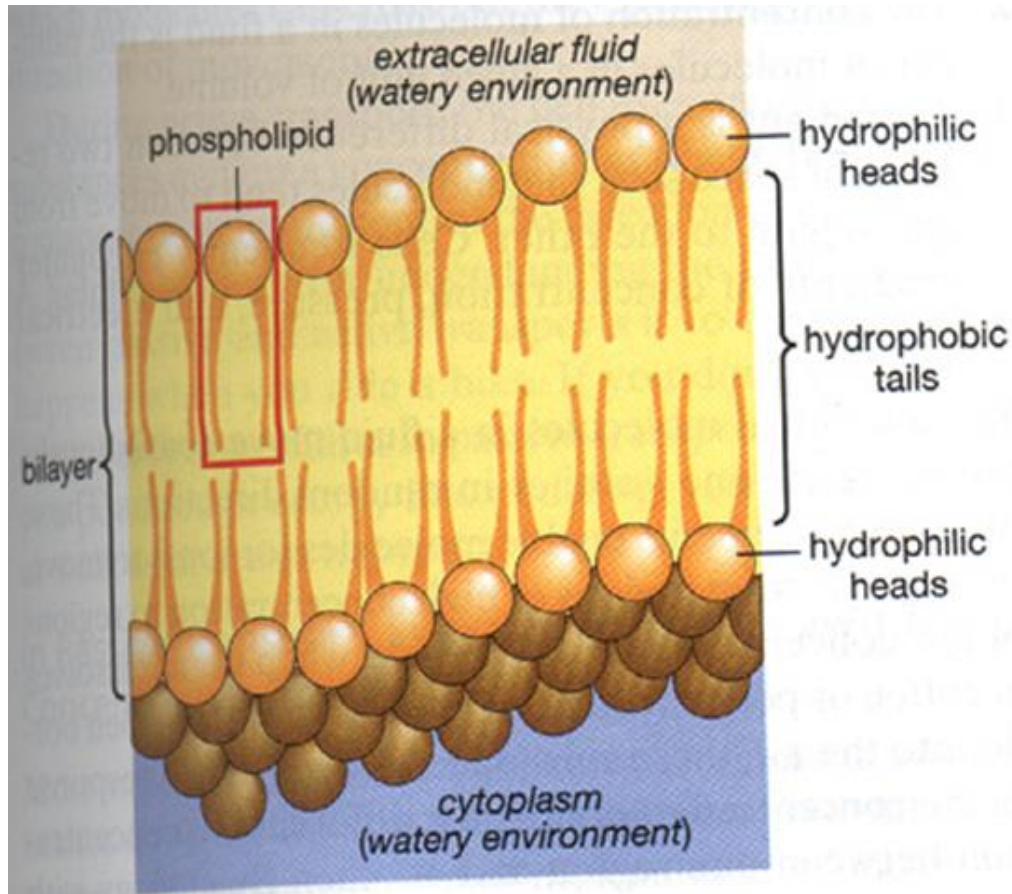


- **And the BIG stuff is a whole other story!!**

Method of Movement:

SMALL openings in between phospholipids for small molecules:

Examples:



Method of Movement:

The movement of

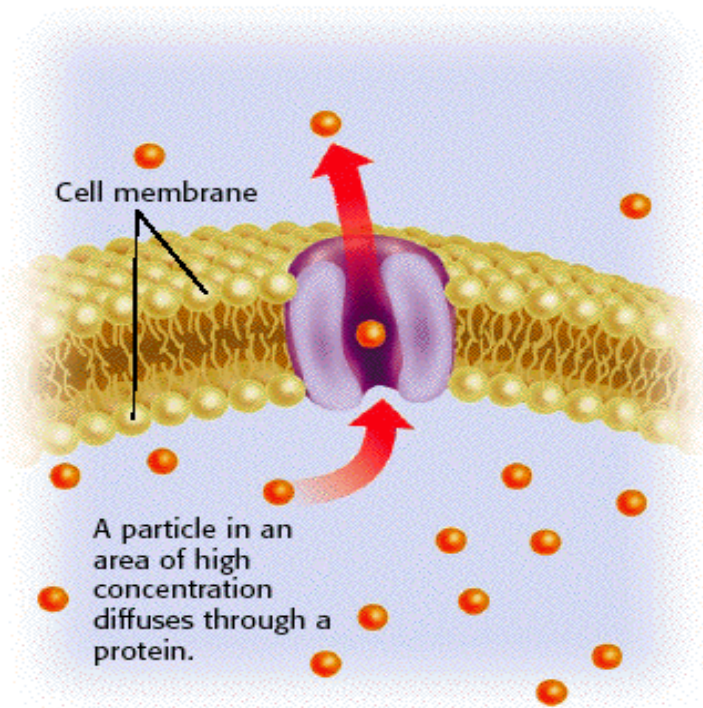


from a _____ to a _____ concentration
through a _____

Method of Movement:

for medium sized molecules

PASSIVE TRANSPORT



Examples:

- ---
- ---
- ---
- ---

Method of Movement:

- Materials moving _____
-

Examples:

- Diffusion
- Osmosis
- Open protein doorways (channels)

*from a **high** to a **low** concentration

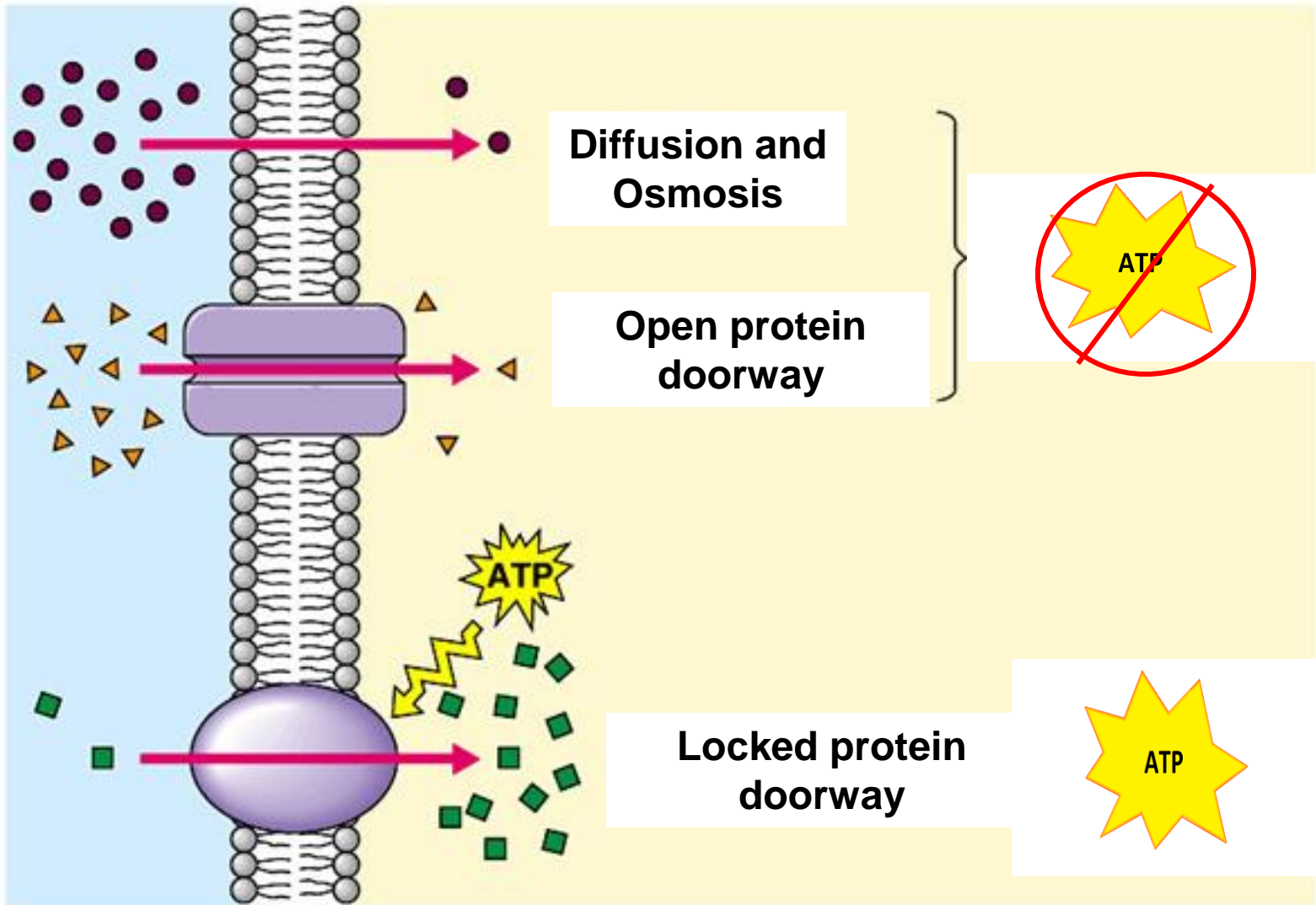


Method of Movement:

_____ 'Protein Doorway'
for LARGE molecules



- Needed for molecules going from a _____ to _____ concentration (_____ diffusion)
- Active = uses up _____



The Method of Movement:

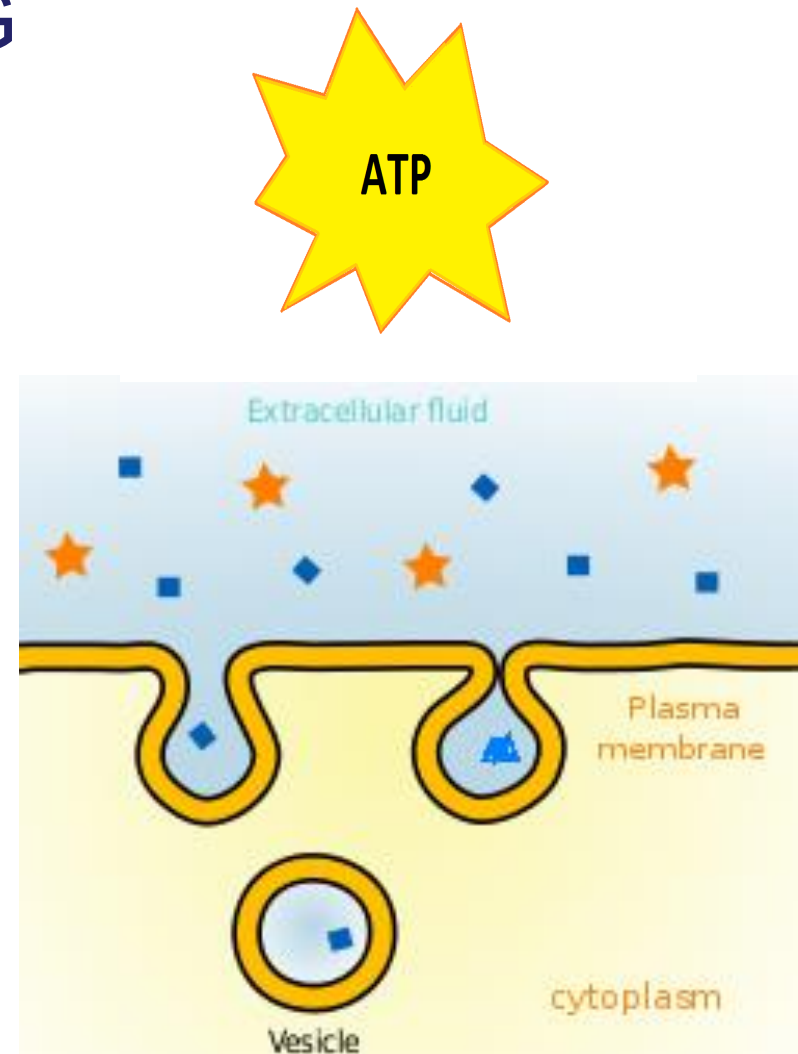
The BIG

- _____

particle to form a vesicle
which then moves _____
the cell

- _____

and moves to membrane and
_____ of the cell



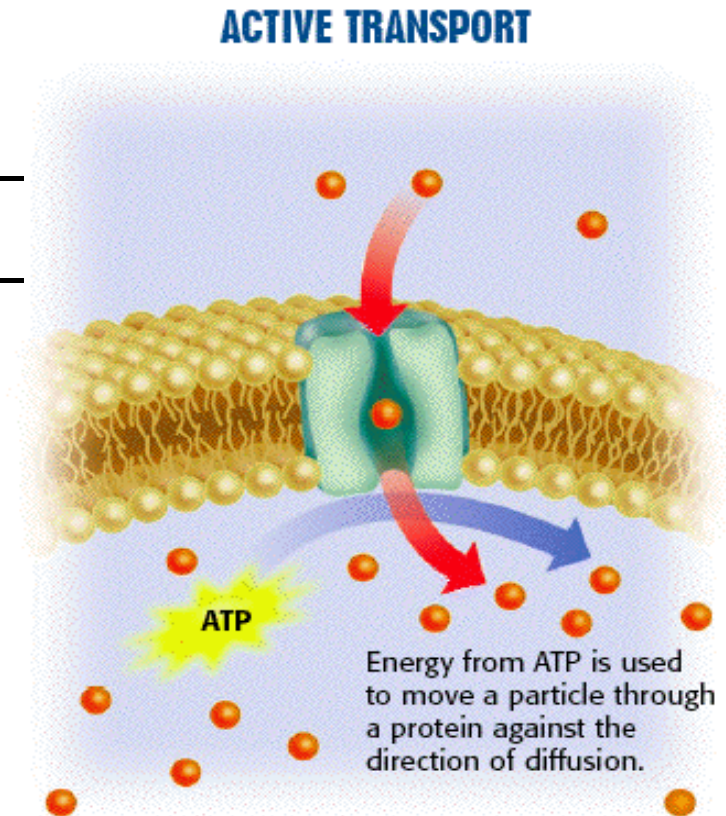
Method of Movement:

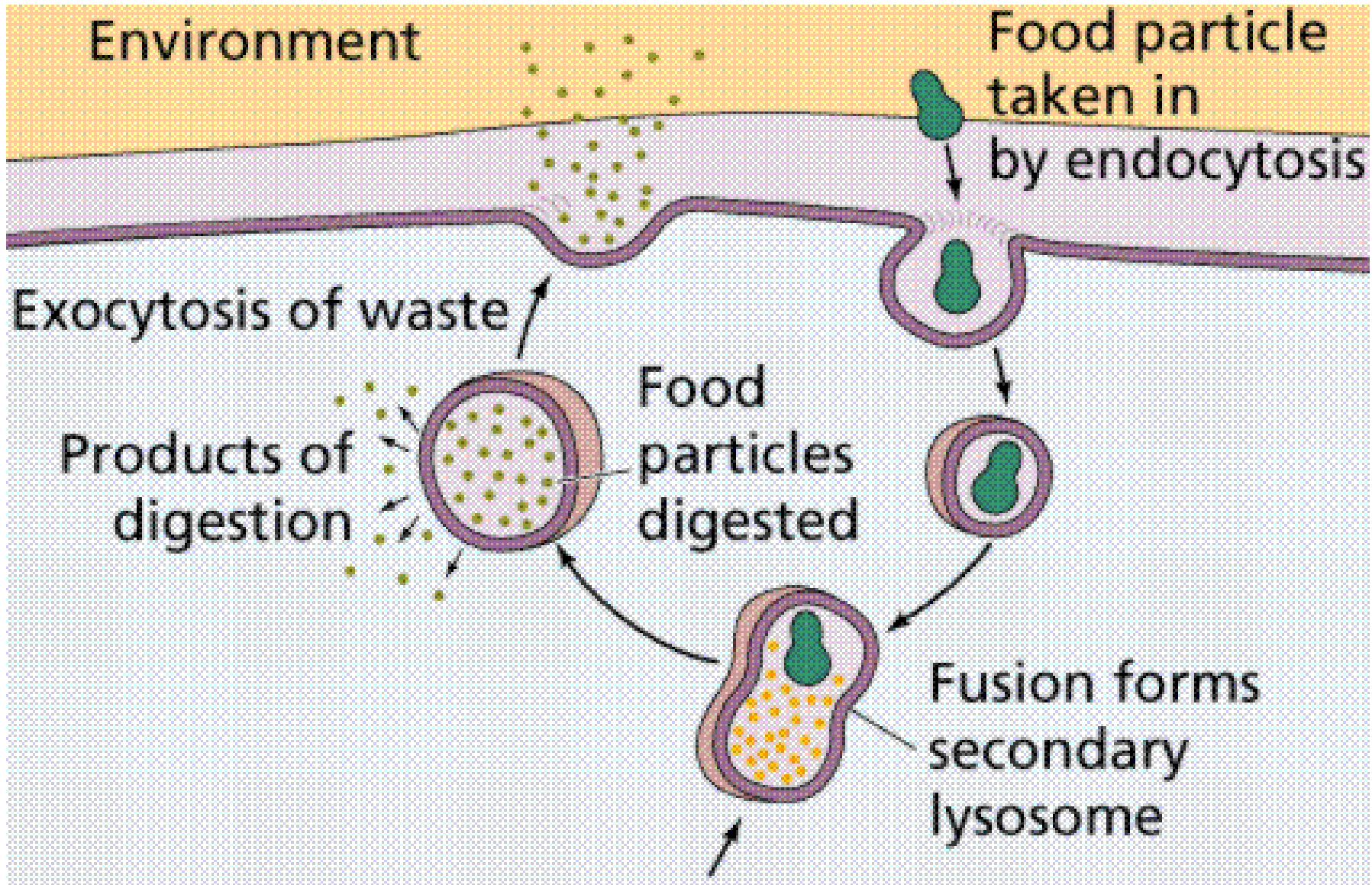
- Materials moving
-
-

Examples:

- Endocytosis
- Exocytosis
- Closed protein doorways

(from a **low** to a **high** concentration)





The Cell Membrane

The cell membrane is

“

”



=

It controls what enters and
leaves the cell.

The Cell Membrane

“The Model”

