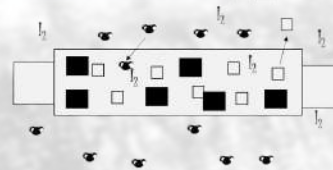
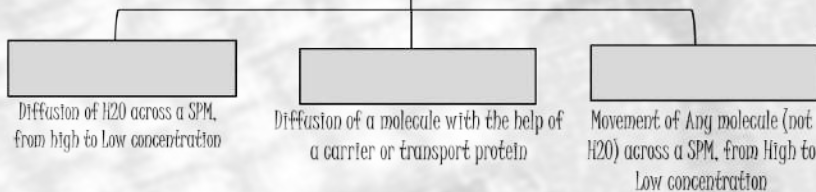


Dialysis Tubing Experiment

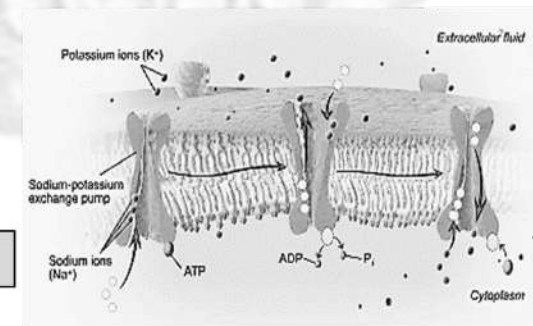
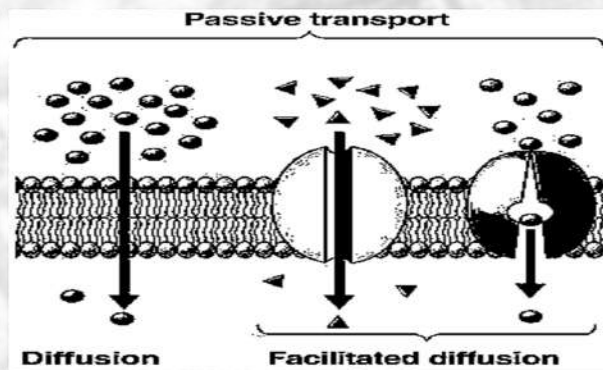
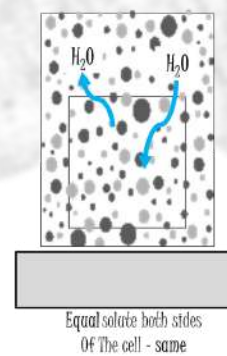
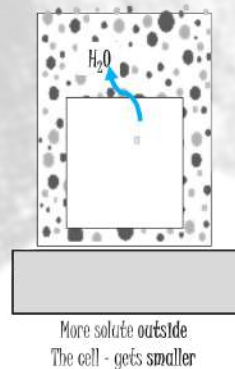
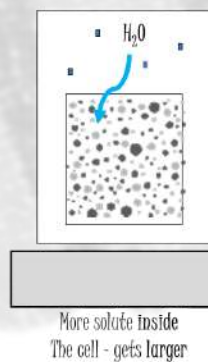
- I<sub>2</sub> Iodine
- Glucose
- Water
- Starch

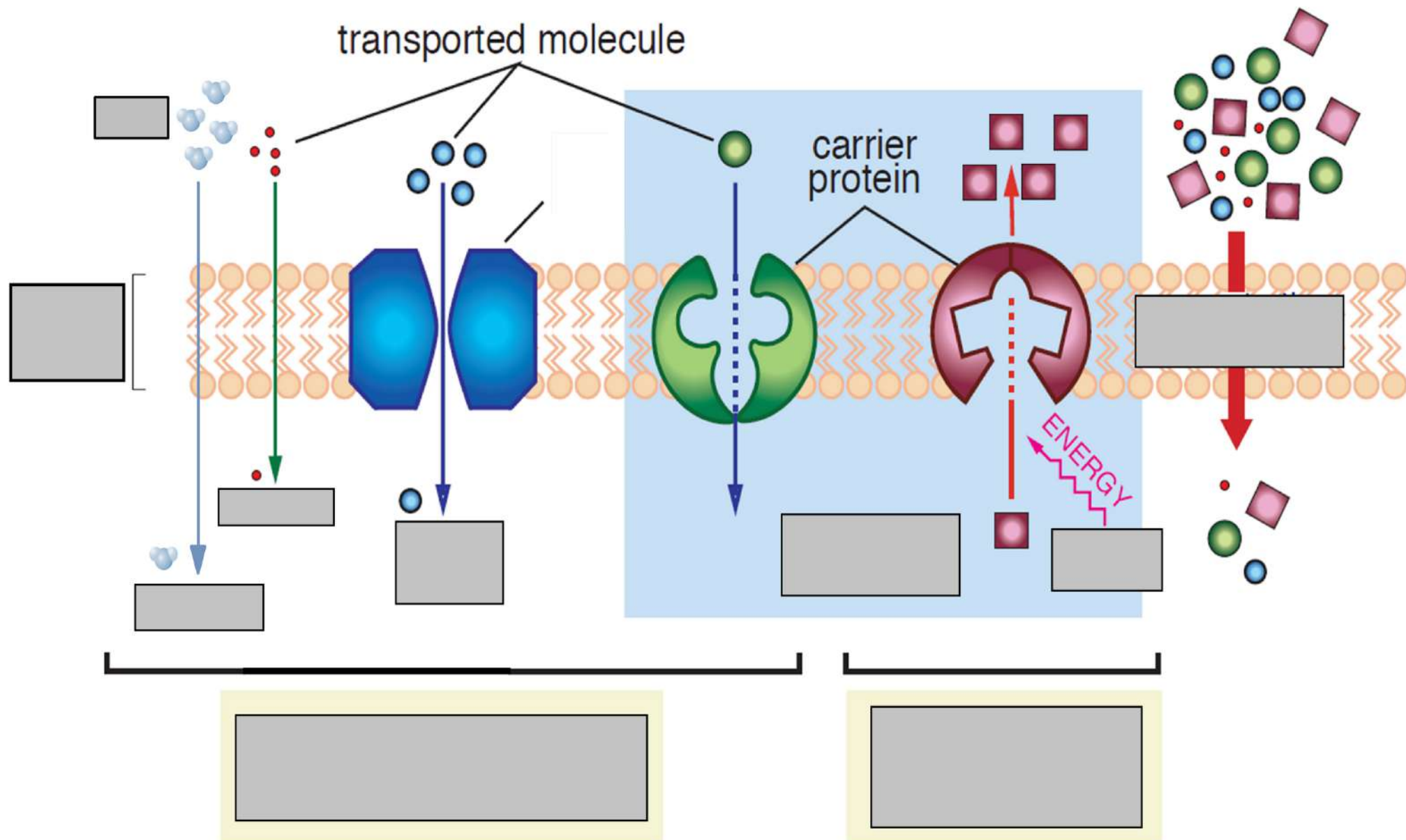


All other forms are ACTIVE.  
Requires Energy - ATP



Solutions: SOLUTE SOCKS





## Cell Transport

Semi-Permeable

Permeable

Impermeable

Semi-Permeable

Permeable

Impermeable

Homeostasis

High

High

ATP

Low

Low

EX: Endocytosis,  
Exocytosis, Pinocytosis  
Phagocytosis  
Sodium-Potassium  
Pump

Hypertonic

Hypotonic

Isotonic

ATP

LIPID  
BILAYER

Osmosis

Diffusion

Facilitated  
Diffusion

ATP

H<sub>2</sub>O

Concentration  
Gradient

Osmosis

Diffusion

Facilitated  
Diffusion

# PASSIVE TRANSPORT

# ACTIVE TRANSPORT

Protein  
Mediated