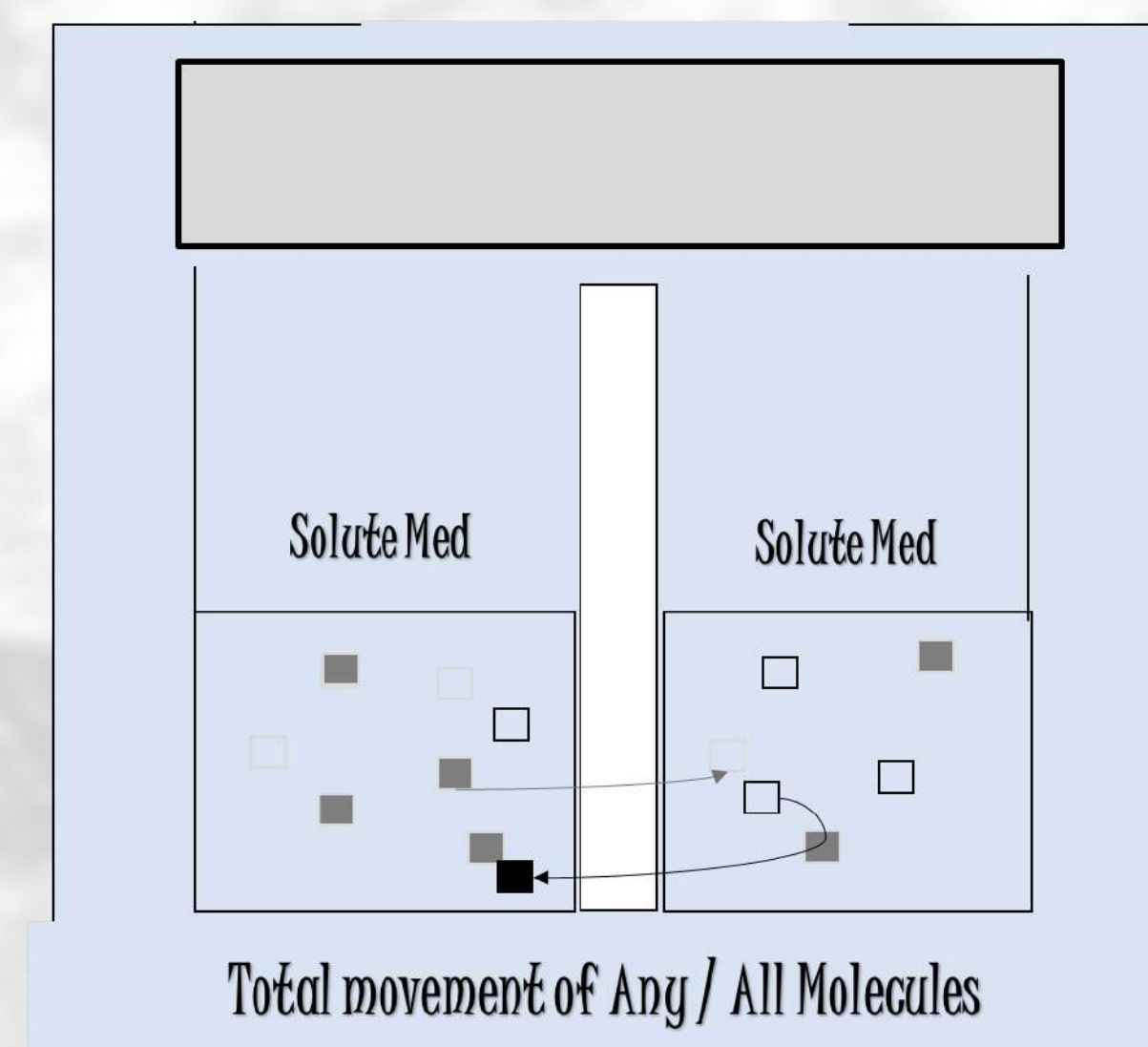
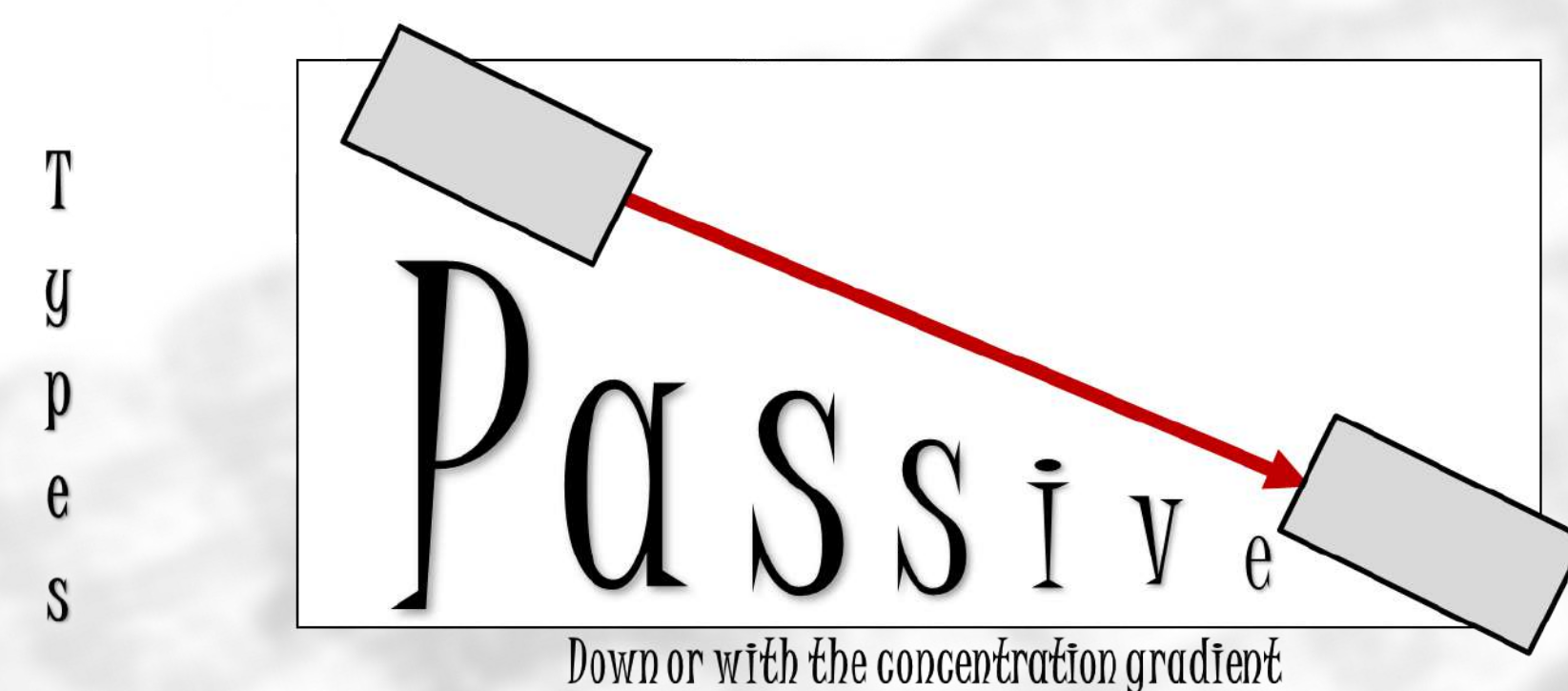
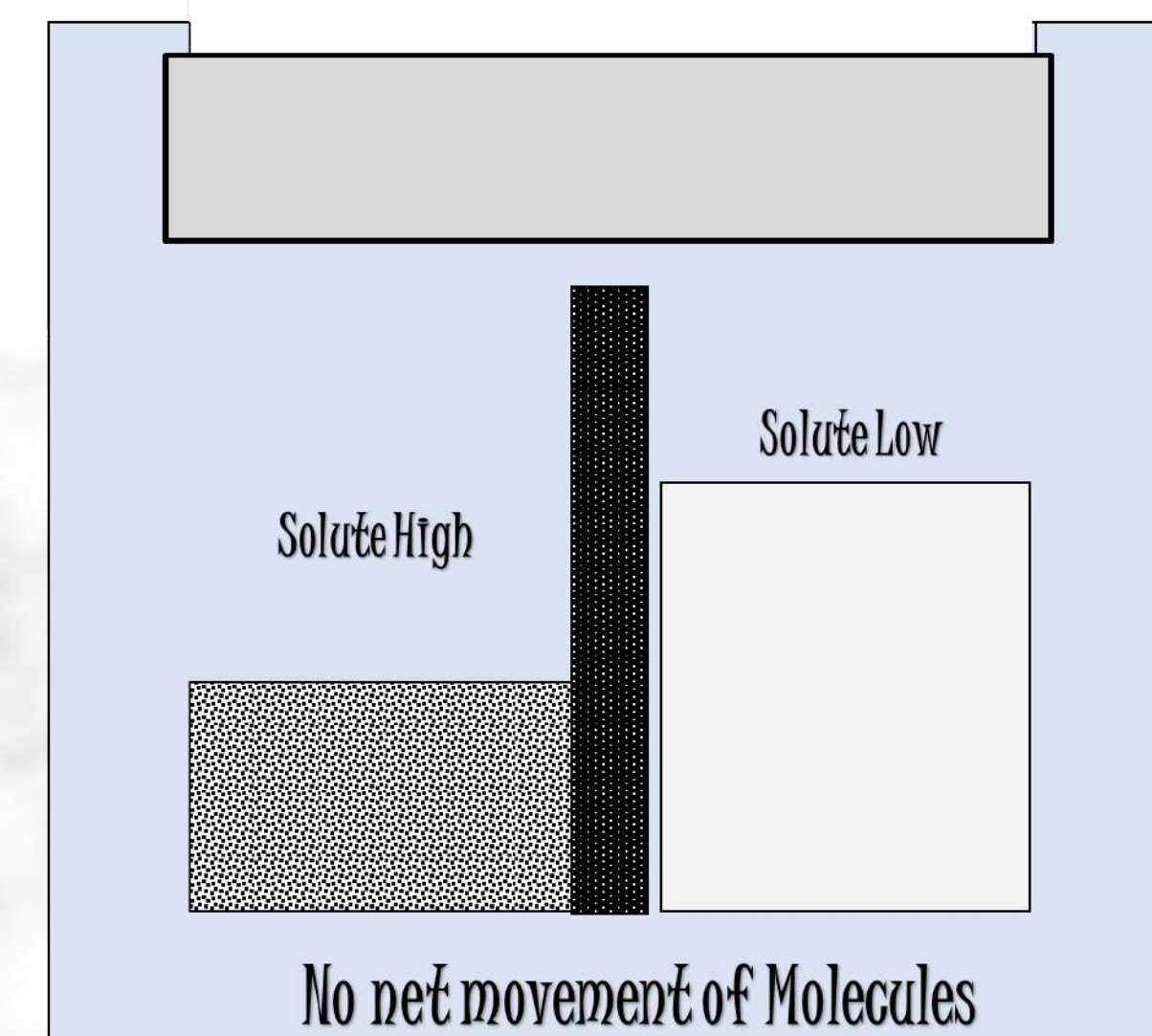
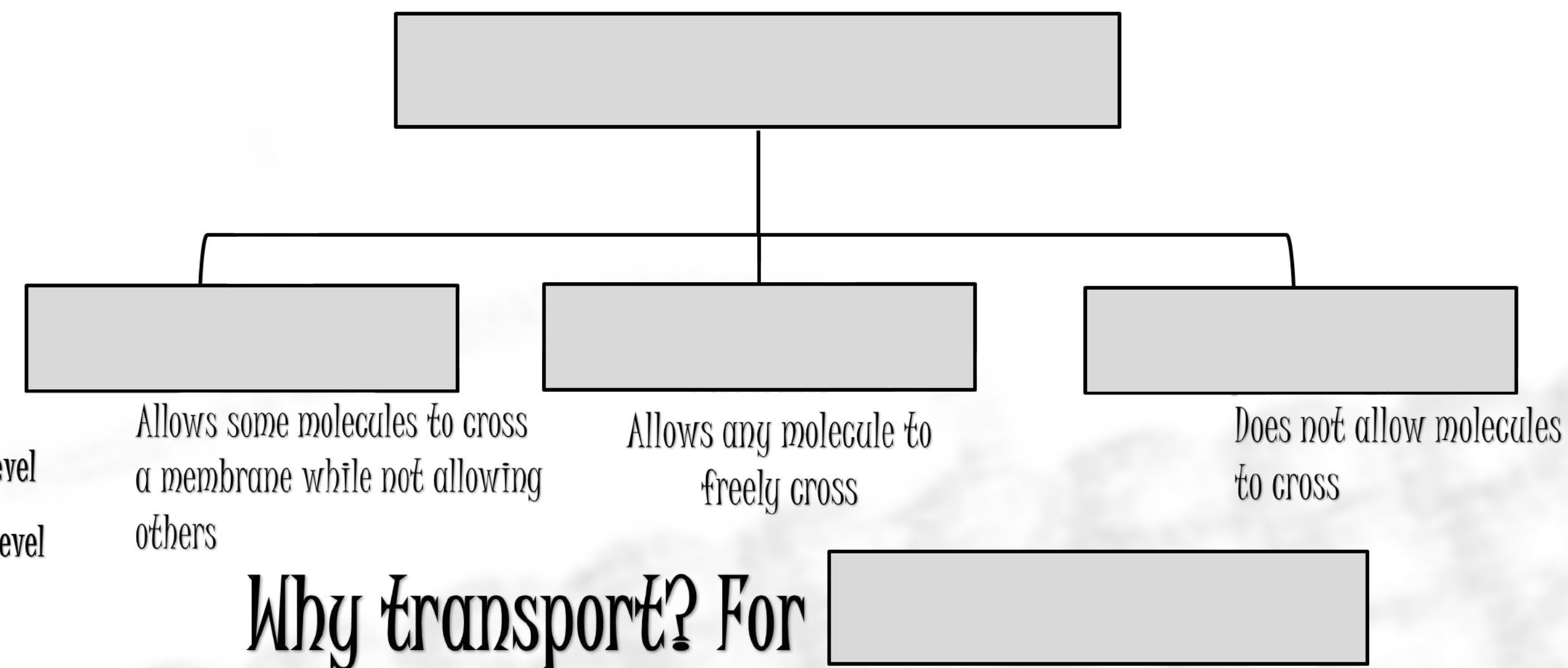
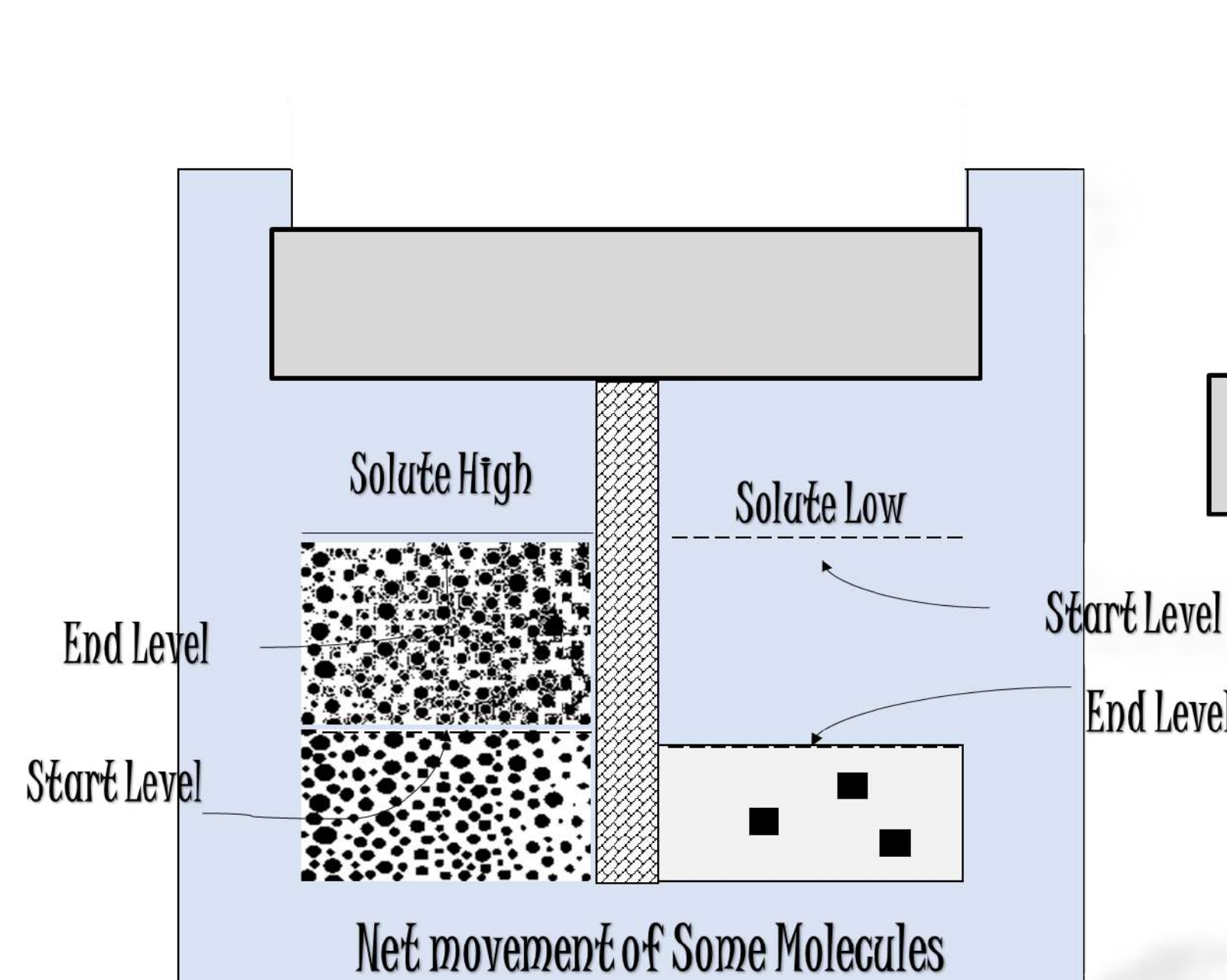
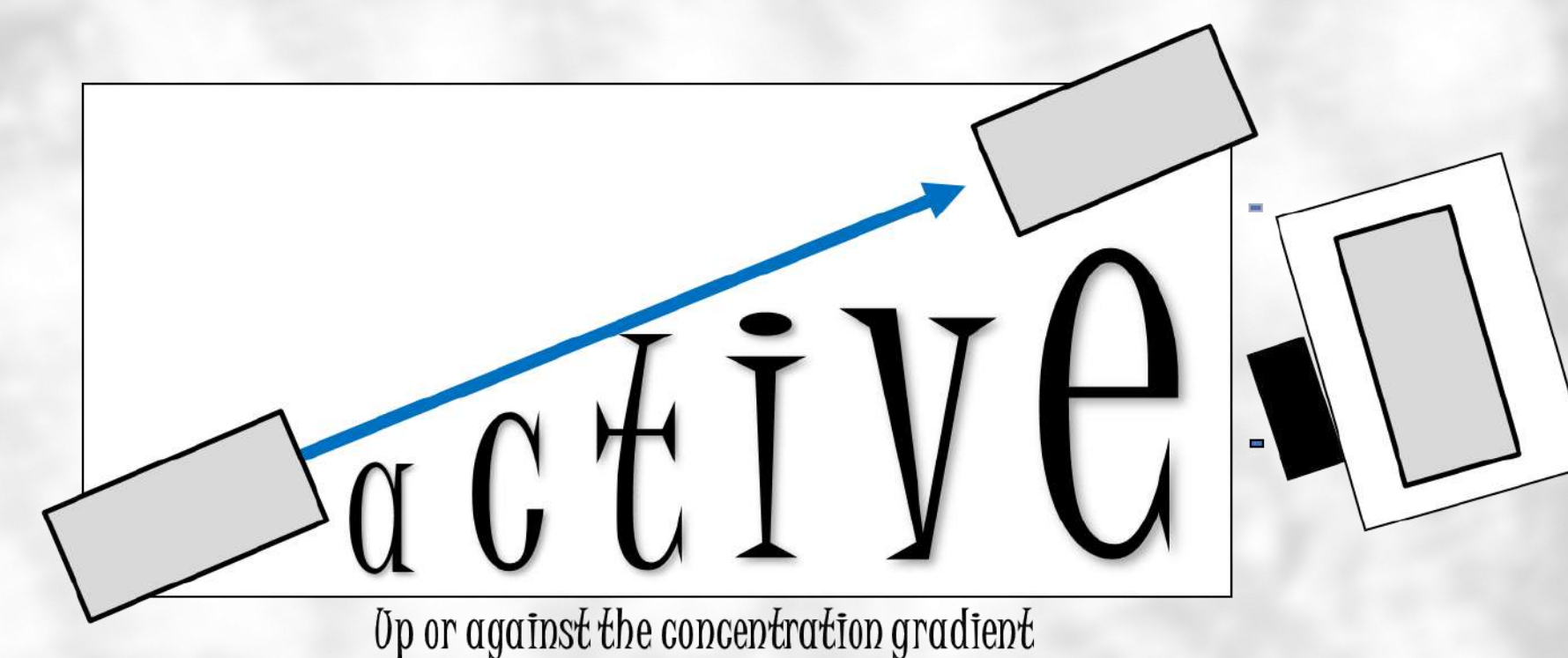


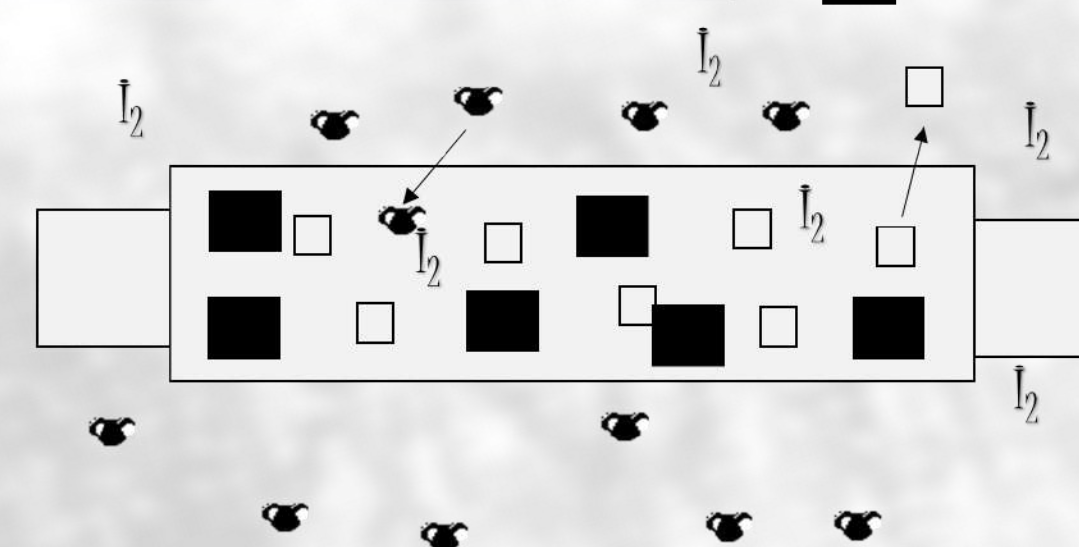
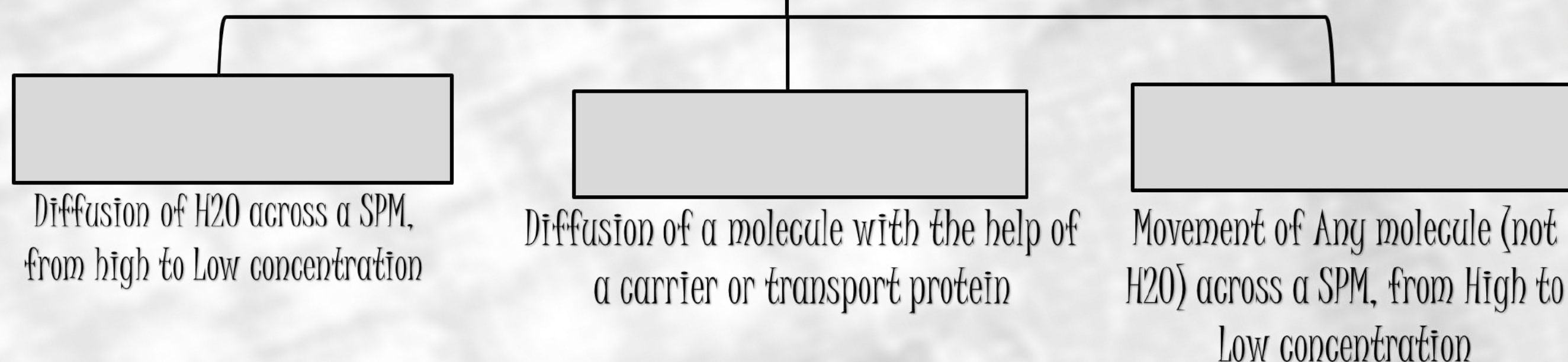


Dialysis Tubing Experiment

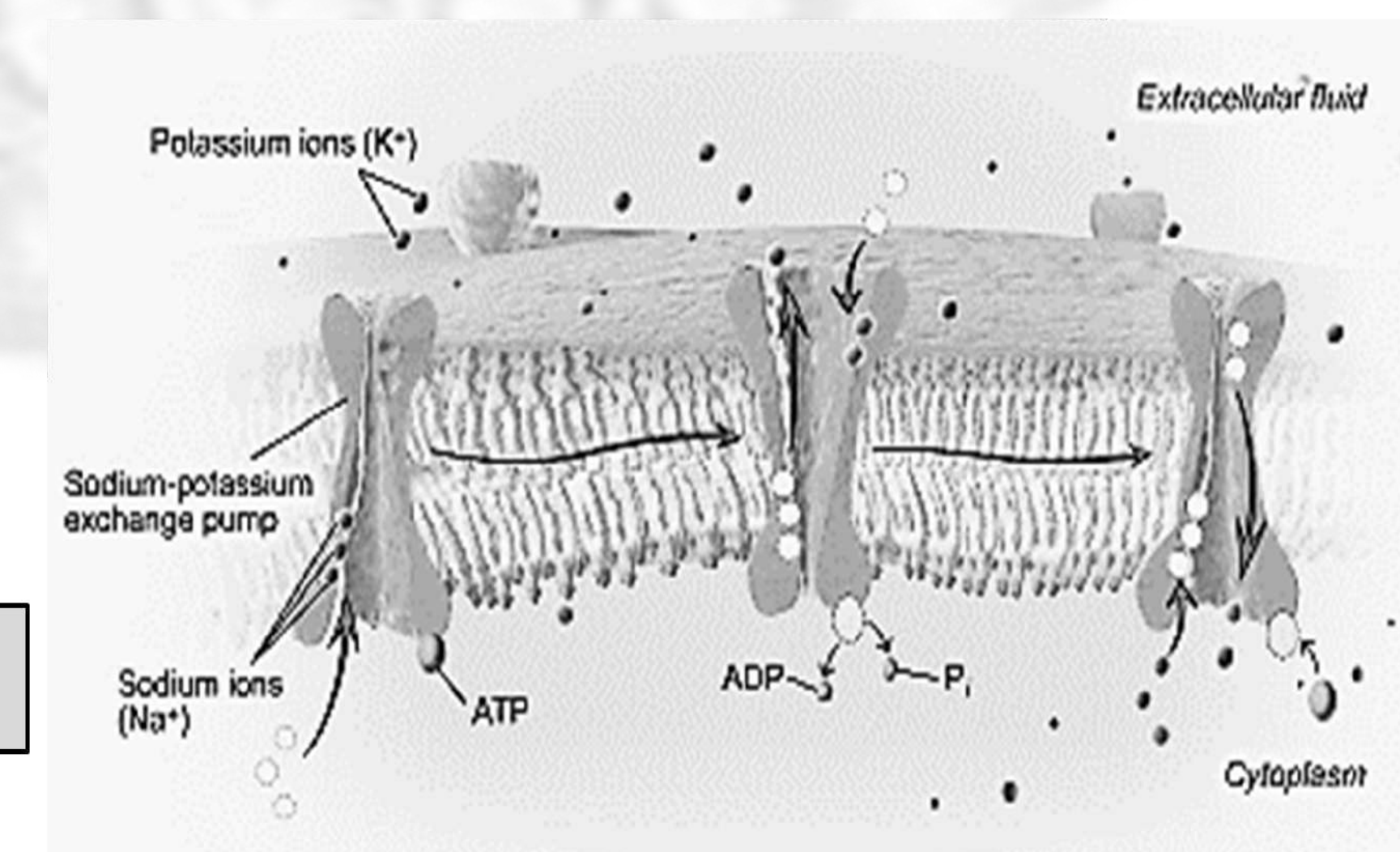
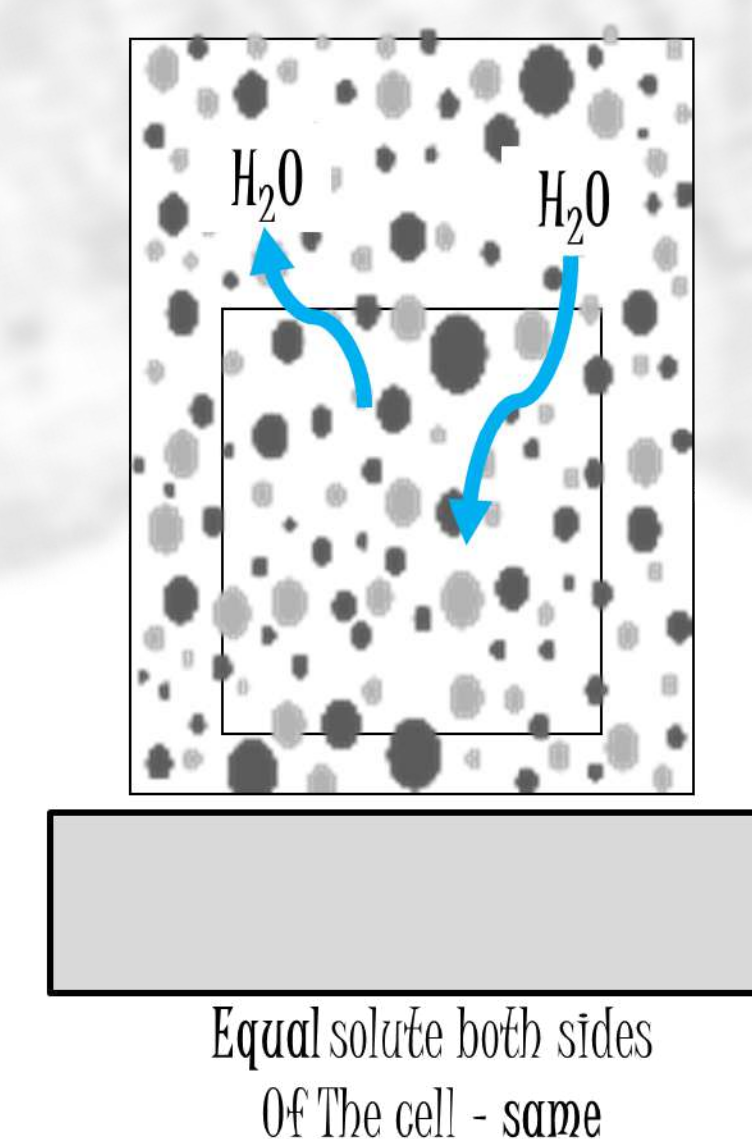
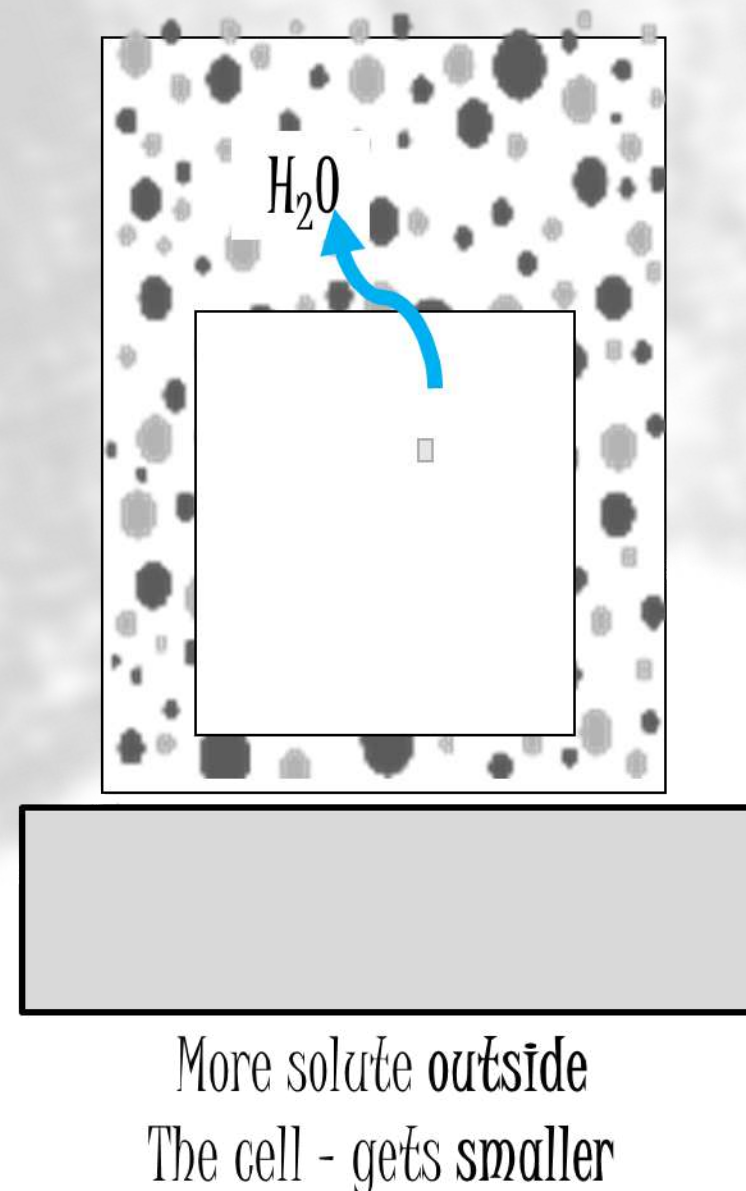
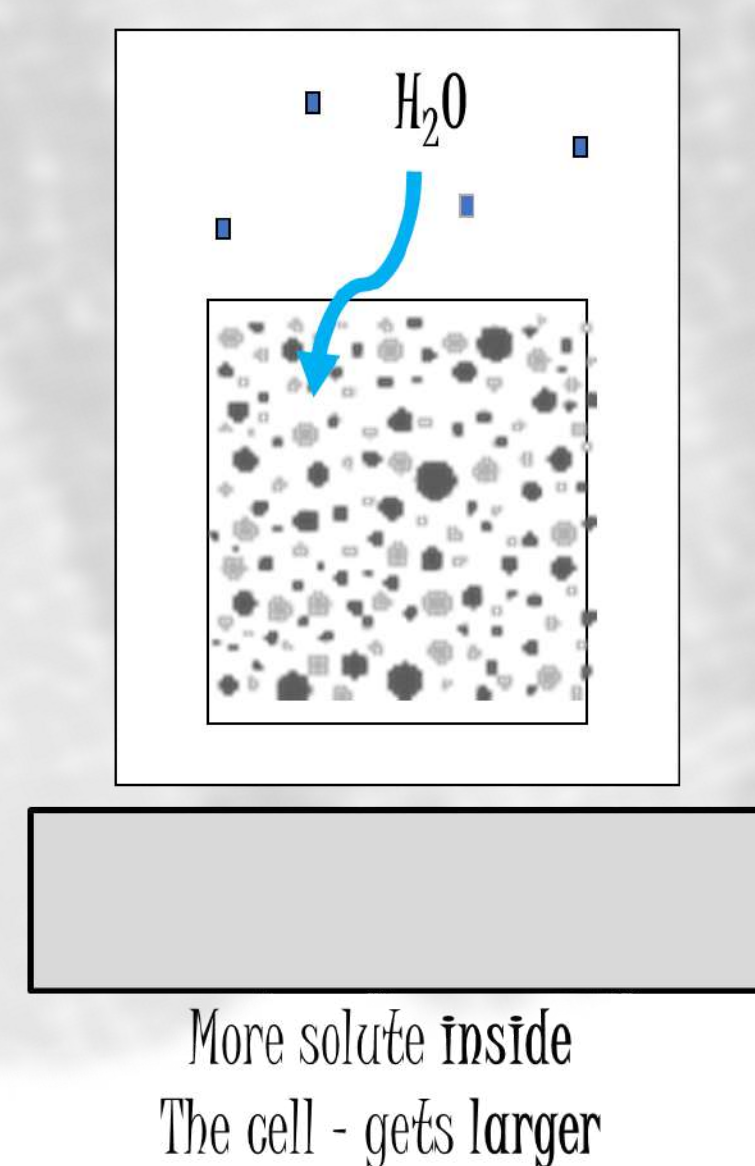
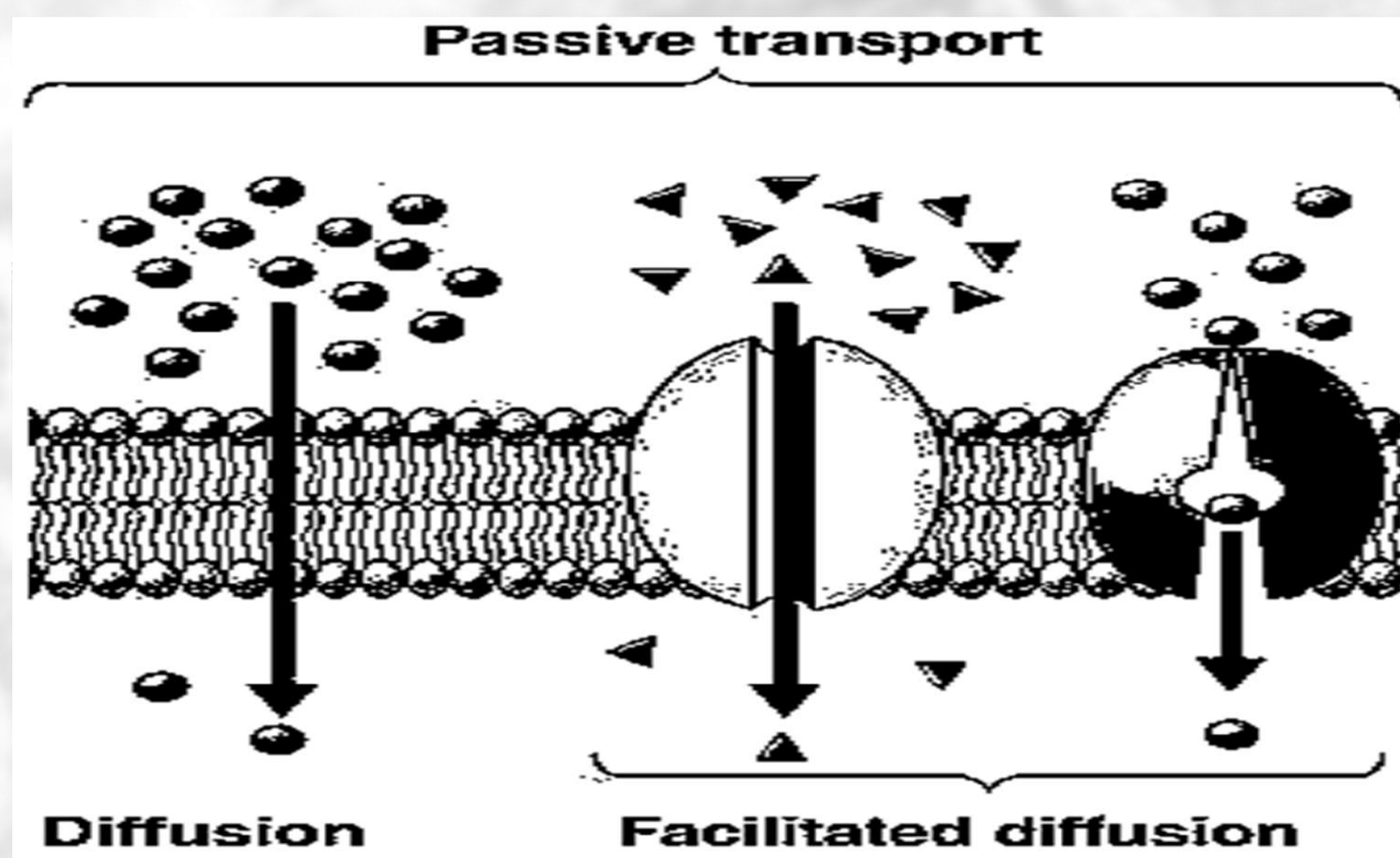
- I_2 Iodine
- $\square$ Glucose
- $\bullet$ Water
- $\blacksquare$ Starch

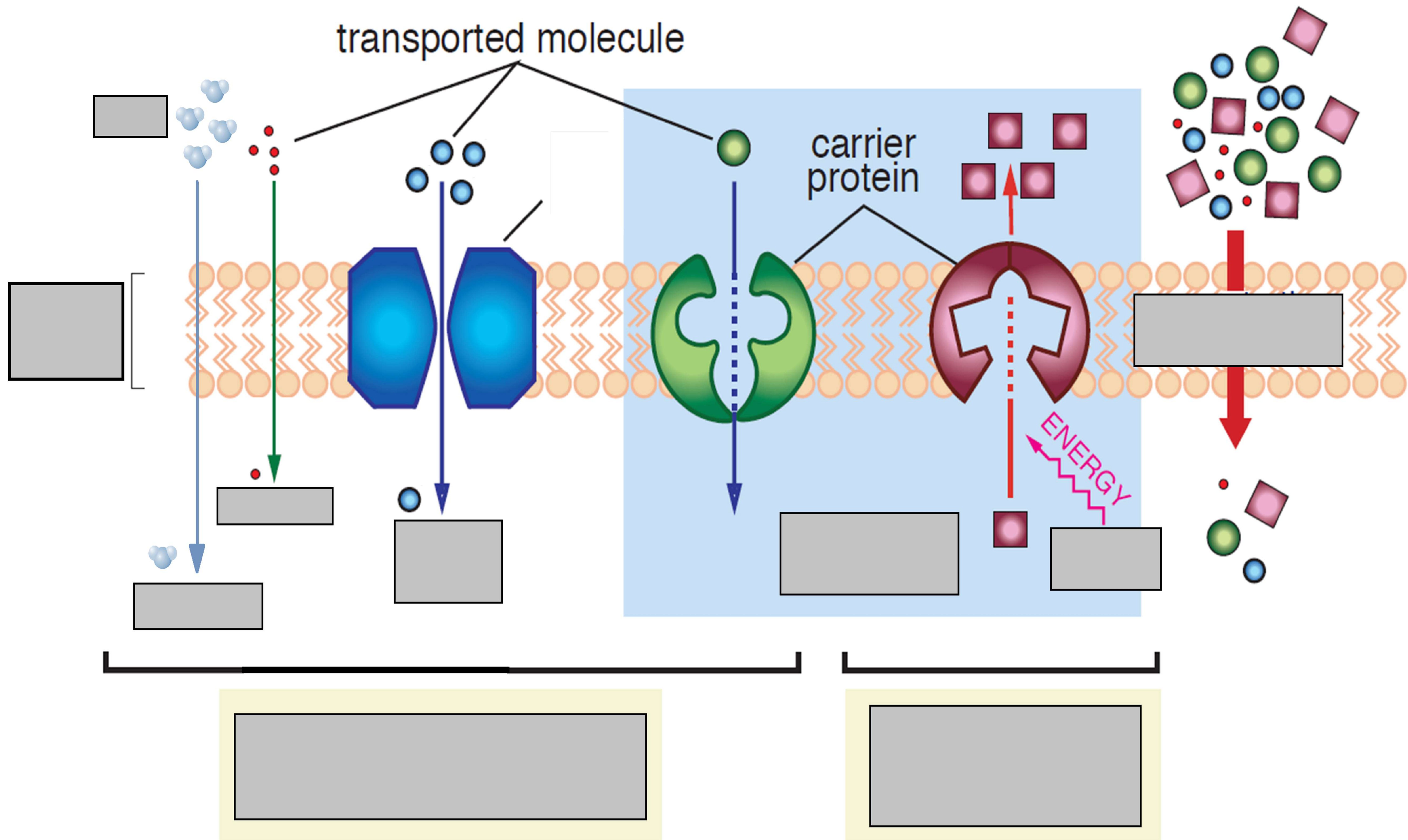


All other forms are ACTIVE:
Requires Energy - ATP



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

**Concentration
Gradient**

Osmosis

Diffusion

**Facilitated
Diffusion**

H2O

**PASSIVE
TRANSPORT**

**ACTIVE
TRANSPORT**

**Protein
Mediated**