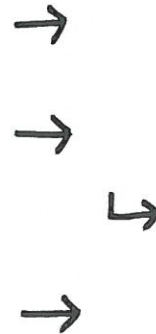




Cell-Surface Membranes



Cholesterol





Transport Across Membranes - Diffusion



① Concentration Gradient



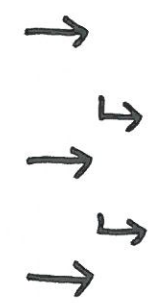
② Diffusion Distance



③ Surface Area



Exam Question





TT

Transport Across Membranes: Facilitated Diffusion

1

2

3

4

5

Facilitated
Diffusion

Active Transport

Protein Channels

Carrier Proteins



Both





TT

Transport Across Membranes: Active Transport & Co-Transport 1 2 3 4 5

Active Transport



Co-Transport



TT

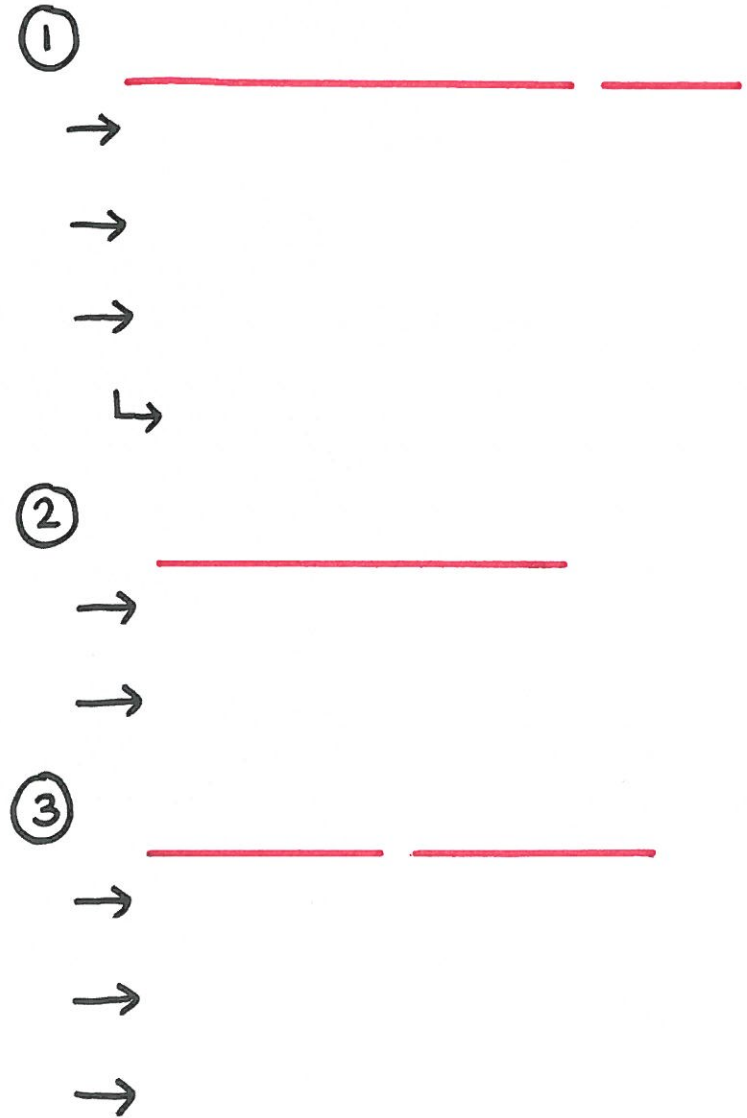
Sodium-Potassium Pump

Co-Transport

Facilitated Diffusion

Co-Transport : Absorption of Glucose

- 1
- 2
- 3
- 4
- 5





TT

Osmosis

Transport Across Membranes - Osmosis

- 1
- 2
- 3
- 4
- 5

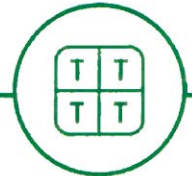


High water Potential

Low water Potential

Exam Question

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-
-



TT TOP TIP

Water potential is opposite to solute concentration