

Tutorial 5, Feb 6, 2023

Facilitated Diffusion

- Transporters can move either 1 or two types of solutes at a time
 - A *uniport* transports 1 specific solute
 - A *cotransport* transports 2 different solutes at the same time; both need to be present for transport to function
 - * A *symport* transports them in the same direction
 - * An *antiport* transports them in opposite directions
 - These are required to overcome the electrical work of transporting a single ion across the membrane
- Uniporters, antiporters and symporters are all active transporters
 - Antiporters are the ones that transport sodium out and potassium in (potassium-sodium-ATPase pumps)