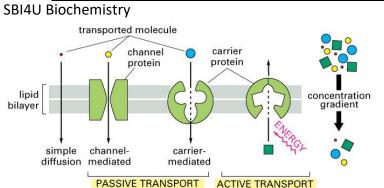
HOW DO SUBSTANCES MOVE IN AND OUT OF CELLS?



Selectively Permeable:

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Passive Transport:

Active Transport:

1 4351	VE TRANSPORT ACTIVE IN	PASSIVE TRANSPORT ACTIVE TRANSPORT						
MECHANISMS FOR TRANSPORT ACROSS CELL MEMBRANES								
Process	Diagram	Hov	ı lt Works	Example(s)				
		PASSIVE PROCE	ESSES					
DIFFUSION								
Simple Diffusion		•••						
FACILITATED DIFFUSION								
Protein channel (uniporter)								
Protein carrier (uniporter)								
OSMOSIS								
Aquaporins (uniporter)	**							
	OSMOSIS & TYPES OF SOLUTIONS							
Hypotonic		Isotonic	Hyperto	onic				
cell expands		cell normal	cell shrin	iks				

HOW DO SUBSTANCES MOVE IN AND OUT OF CELLS?

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		CTIVE PROCESSES				
ACTIVE TRANSPORT						
Protein carrier						
Antiporter						
Coupled						
transport (symporter)						
(0)						
BULK TRANSPORT						
ENDOCYTOSIS	5					
Phagocytosis	Plasma					
	Cytoplasm					
	membrane					
Pinocytosis	Ì.					
	Cytoplasm					
		-				
	Receptor Coat protein	ted				
Receptor-	Ves	ated icle				
mediated						
endocytosis	Coated pit					
EXOCYTOSIS	Construction of Ligando					
	Plasma product Plasma					
Exocytosis						
	Secretory vesicle					

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