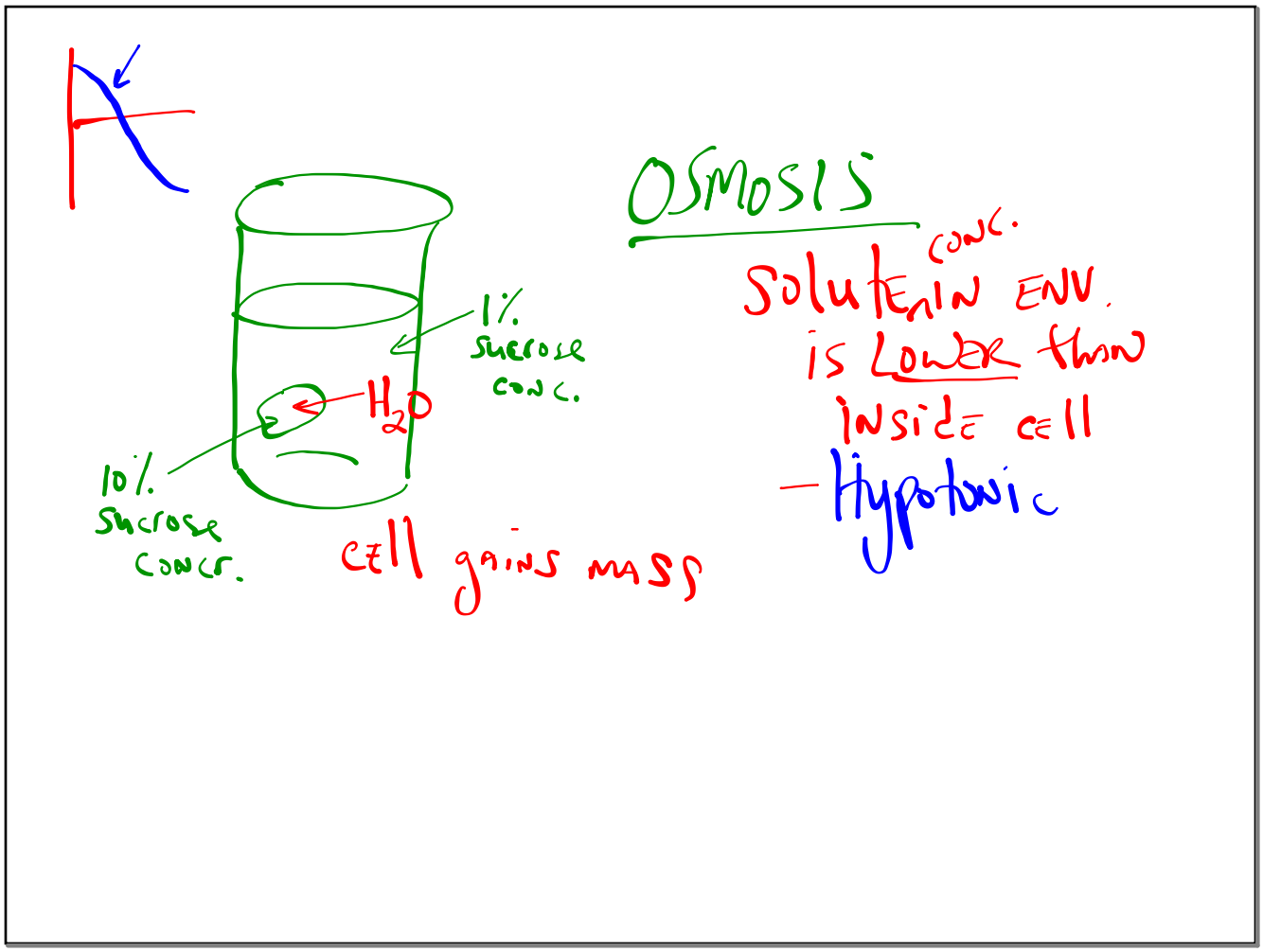
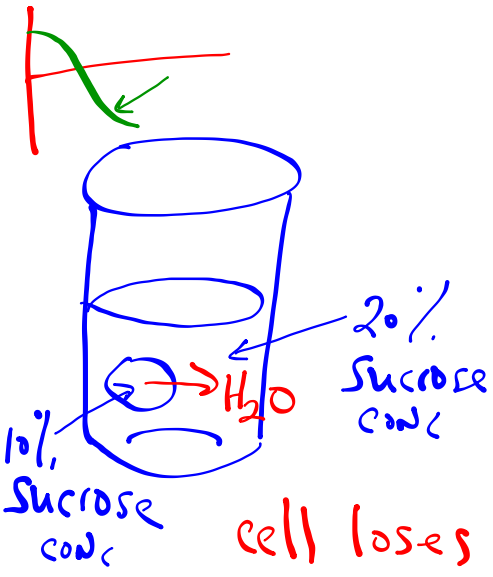
Please get out
"ch. 7 TEST:
what to know."


OSMOSIS
SOLUTE CONC. IN ENV. IS LOWER THAN INSIDE CELL
- Hypotonic
1% SUCROSE CONC.
H_2O
10% SUCROSE CONC.
CELL GAINS MASS

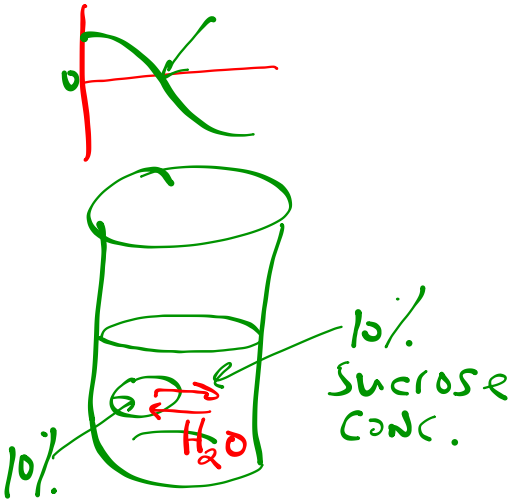


cell loses mass

OSMOSIS

Solute conc. in ENV. is higher than inside

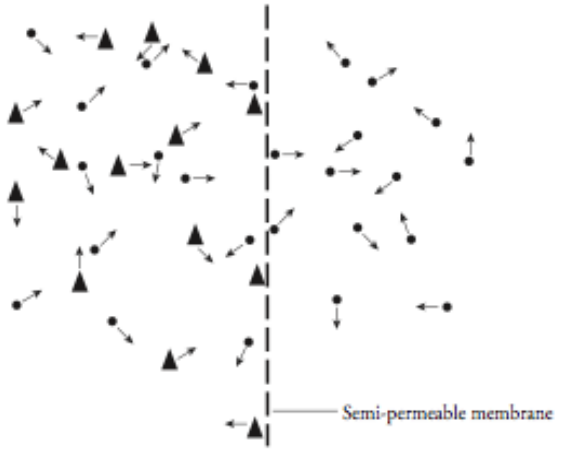
– Hypertonic



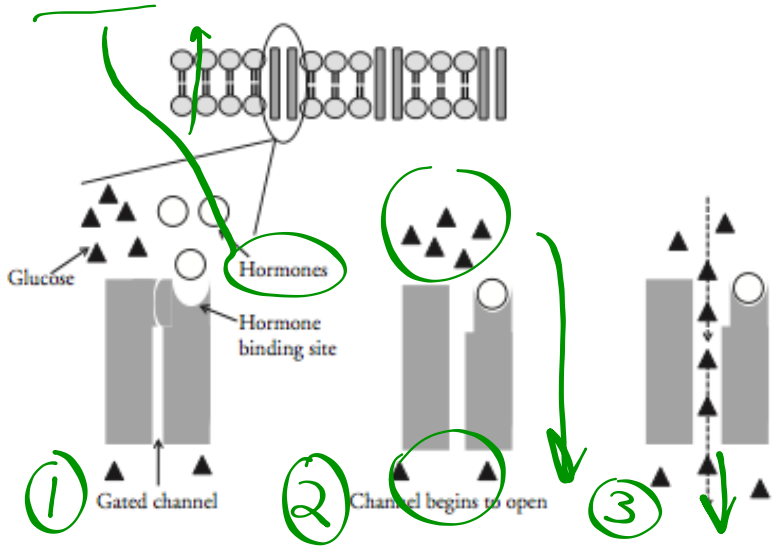
Isotonic

0% change in mass

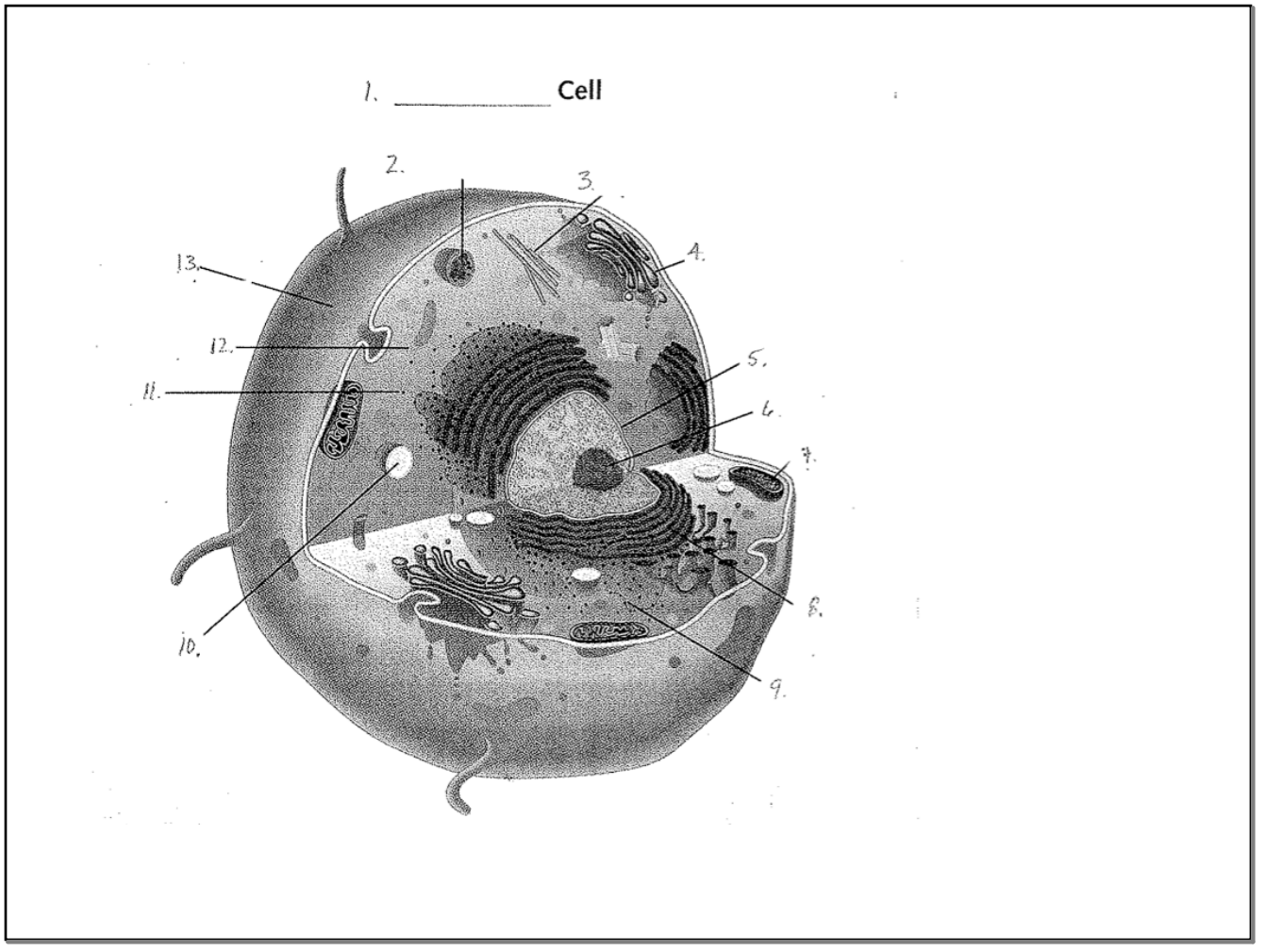
Model 1 – Simple Diffusion



Model 3 – Facilitated Diffusion



September 30, 2014



Model 4 – Active Transport

Nucleus

Ribosome

Type of Cell? _____

Active transport

Model 1 – Simple Diffusion

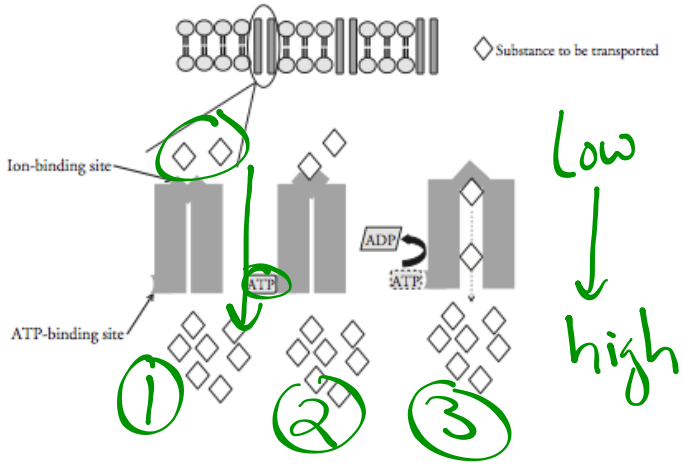
	Active Transport	Passive Transport	
		Diffusion	Facilitated Diffusion
Requires energy input by the cell			
Molecules move along (down) a concentration gradient			
Moves molecules against (up) a concentration gradient			
Always involves channel (membrane-spanning)proteins			
Molecules pass between the phospholipids			
Moves ions like Na^+ and K^+			
Moves large molecules			
Moves small nonpolar and polar molecules			

34. With your group develop a definition for active transport

Low	100x	2.0
High	400x	0.5

#	Structure	
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		

Model 4 – Active Transport



VAN Leeuwenhoek
↳ first saw microorganisms
Hooke – "cells"