

What is the driving force for uphill movement? A) ATP ; b) H+ gradient F 6-3 Taiz, Microelectrodes are used to measure membrane potentials across cell membrane





Ext Conc.	Ion	Internal concentration (mM)	
		observed	Nernst (Predicted)
1 mM	K+	75 mM	74
1 mM	Na ⁺	8 mM	74
1 mM	Ca ²⁺	2 mM	5,000
0.2 mM	Mg^{2+}	3	1,340
2 mM	NO ₃ -	5 mM	0.02
1	Cl-	10 mM	0.01
1	H ₂ PO ₄ -	21	0.01









































3. Measure swelling...... Until boom!





























