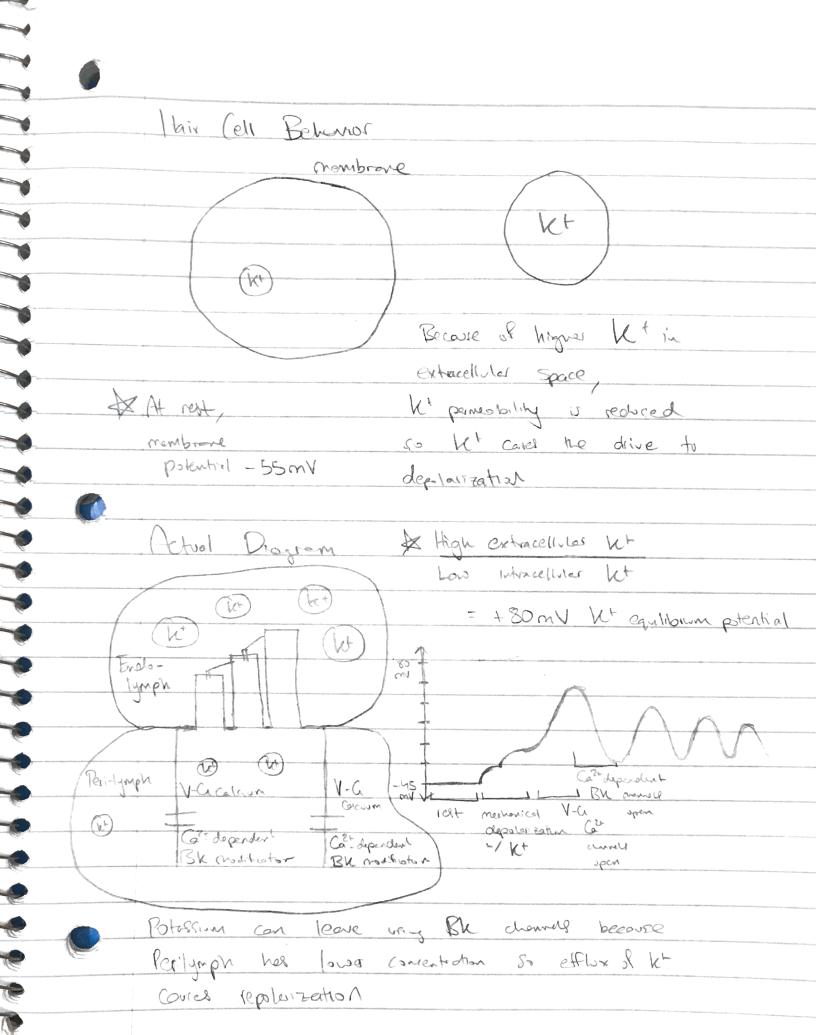
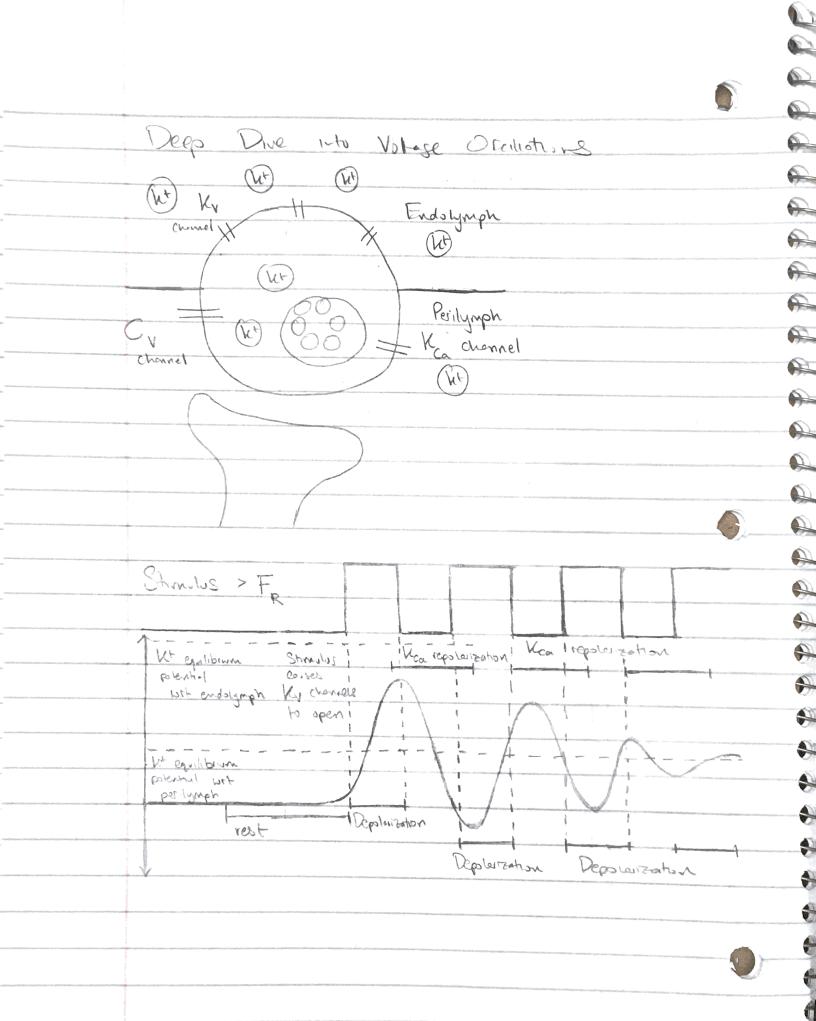
Normal Nevions of Moundhouse Salty Bonoros are & wempsone When ion concentrations of equipmen (reg) (about 60 mV membrane E Equilibrium cc OmV Potential (abst - 59 mV Membrare 1 Elzquilibrium Robental 2 OMV

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Nevron Cell Believor & Net novement of concentration Gradient Casas mie let ions whole then attale Nat behave channels also heep Nat above higher than Ut in inside 1) At 1011membrane potential 2-70 mV with excitation from allutamote, depolarization occurs within cell This increases membrane potential toward Not equilibrium potential Nat equilibrium action ptential glitanote - Threswid excitation K+ equilibrium 3). With croup excitation, membere potential can cross threshold to 1 actually all V-a Sodown abouted and "fire" an action potential! 0





Voltage - Croted Potassium & Calcium Chennels in Electroreception in Grosus 1) Ottode change in voltage from electric field vesides chamel (2) by channels spen releasing Kt into cell that couse depolarization like in hair cells 3) When depolarization coused a threshold, Cay channels are spend to release Cart to bind to vesticles and release. 4) All vosicles are released once threshold his been crossed and inachistron I deadyston occurs to reset cell's vericles Show Shesh - Speedic electroreception also supports repetitive currents ) "Readily releasable" with feet actuation a deastruction poil of resides to mentain losse empiredes 2) Shink voltage shows hed larger changes to (m

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(B)

Voltage - Cooked Potassium & Coloum Channels W/ Coloum-Dependent Polation Chamels in Skotes (W) 1) Ottide charge in electric field skate BK channel. (let) (2) Vy channell spert releasing Kt channels The cause depolarization the in how cells (3) Depolarization Courses membrine potential increase will crosses a maked to Trages Cy Channel to open and receive Car to bind to reorganites resides (4) As Cat increases, Shale Bk Channel upers to recesse let outside to repolarize the cell and refull the neurotransmitters

D

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