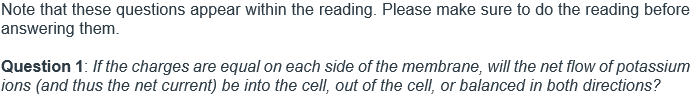
**Passive Membranes Lab Notebook**

**Reading:** [Passive Membranes](https://canvas.case.edu/courses/13687/pages/passive-membrane-properties-the-resting-potential-and-electrical-models-of-passive-properties)

**Name:**

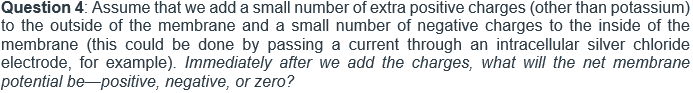
**Date:**

**Purpose of Lab:**







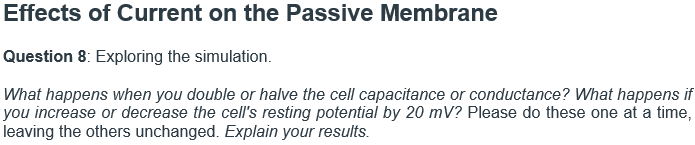




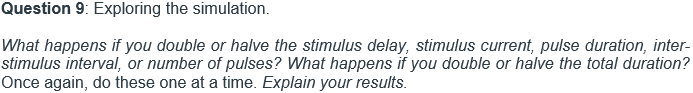




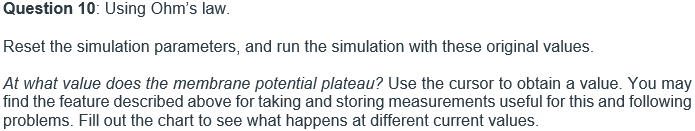




|  |  |
| --- | --- |
| Capacitance |  |
| Conductance |  |
| Resting Potential |  |

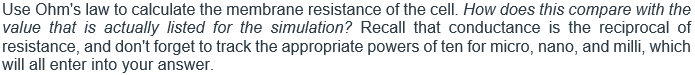


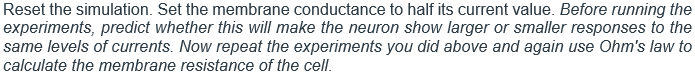
|  |  |
| --- | --- |
| Stimulus Delay |  |
| Stimulus Current |  |
| Pulse Duration |  |
| Inter-Stimulus Interval |  |
| Number of Pulses |  |
| Total Duration |  |



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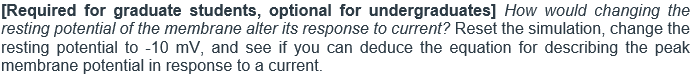


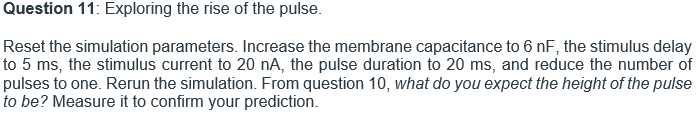


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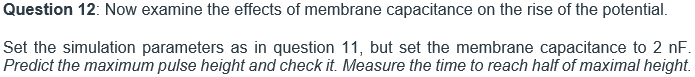


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|  |  |
| --- | --- |
| Length of Time to Reach… | |
|  |  |
|  |  |
|  |  |

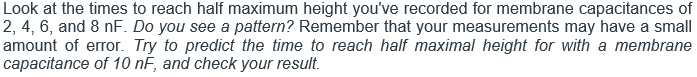




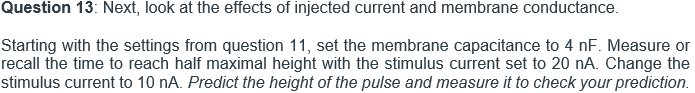
Paste screenshot here. Make sure to label the figure, you can do this by right clicking the image and clicking “Insert Caption”



|  |  |
| --- | --- |
| Membrane Capacitance | Maximum Height |
|  |  |
|  |  |
|  |  |

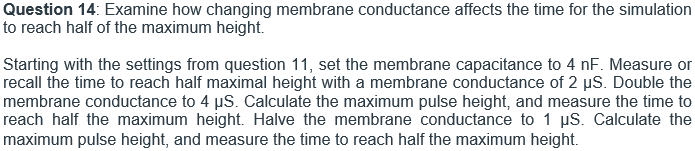


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Paste screenshot here. Make sure to label the figure, you can do this by right clicking the image and clicking “Insert Caption”

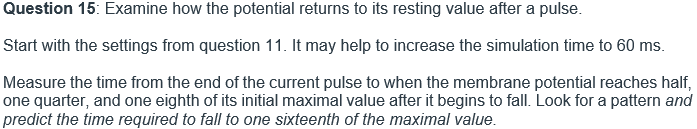




|  |  |  |
| --- | --- | --- |
| Membrane Conductance | Max Pulse Height | Time to Reach Half Max Height |
| 1 µS |  |  |
| 2 µS |  |  |
| 4 µS |  |  |



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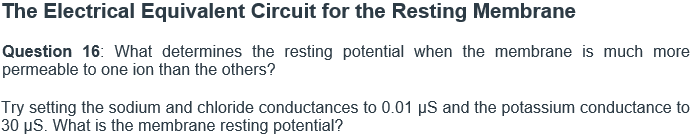
Paste screenshot here. Make sure to label the figure, you can do this by right clicking the image and clicking “Insert Caption”

|  |  |
| --- | --- |
| Length of Time to Reach… | |
|  |  |
|  |  |
|  |  |



|  |  |
| --- | --- |
| Membrane Capacitance | Time |
| 4 nF |  |
| 8 nF |  |

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|  |  |
| --- | --- |
| Membrane Resting Potential: |  |



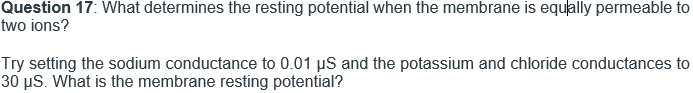
|  |  |
| --- | --- |
| Membrane Resting Potential: |  |





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|  |  |
| --- | --- |
| Membrane Resting Potential: |  |



|  |  |
| --- | --- |
| Membrane Resting Potential: |  |





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