

True/False

- Read every word of the question
“A feature common to the action potentials of all cells in the heart is that they require a sodium (Na^+) current for the upstroke.”
- Use pencil or leave space to change your mind
- Full credit only when answer includes explanation
- Explanation for “True” answers can be challenging
 - Try and address the key aspect of the question, i.e., why true is a surprising answer



Sample test comments

Bioengineering 6000 -- Systems
Physiology I

Essay

- Answer the question in the most direct way
e.g., to look at the effect of Ca^{++} on resting potential, it makes sense to measure resting potential and then alter Ca^{++} in some simple way.
- Keep the explanations simple.
- Channel blockers usually affect the time-dependent ion channels rather than their resting conductivity.
- More generally, treat resting and dynamic behavior differently as they usually have different mechanisms
- Channel blockers block channels and not ions
- Know what measurement techniques are capable of, e.g., ECG will not measure resting potential



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