

What happens to the membrane potential of a nerve cell during an action potential?

What happens to the membrane potential of a nerve cell during an action potential?

- A. It becomes less negative
- B. It becomes more positive
- C. It becomes less positive
- D. It becomes more negative

Show Answer...

Correct Answer: B. It becomes more positive

Explanation:

During an action potential, the membrane potential of a nerve cell rapidly becomes more positive, meaning that there are more positively charged ions inside the cell than outside. This change in membrane potential creates the electrical charge that drives the impulse along the axon.

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