

nerve impulse *(nerve-im-pulse)*

Definition

n. A signal transmitted along a nerve fiber, consisting of a wave of electrical depolarization that reverses the potential difference across the nerve cell membranes.

Example Sentence

The **nerve impulse** travels quickly from the brain to the muscles, allowing for rapid movement.

More Example Sentences

Scientists study nerve impulses to understand how the nervous system communicates.

Synonyms

neural signal; action potential; electrical impulse

Antonyms

inactivity; rest; stillness

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