



How does a nerve impulse travel along an axon?

# How does a nerve impulse travel along an axon?

- A. By diffusion
- B. By active transport
- C. By facilitated diffusion
- D. By saltatory conduction

Show Answer...

**Correct Answer: D.By saltatory**

## **Explanation:**

A nerve impulse travels along an axon by a process called saltatory conduction. This means that the impulse “jumps” from one patch of specialized membrane, called a node of Ranvier, to the next. This allows the impulse to travel much more quickly than if it had to travel the entire length of the axon in one go.