

21 Events that occur at a synapse are listed.

They are **not** in the correct order.

- 1 An impulse is stimulated in the next neurone.
- 2 An impulse stimulates the release of neurotransmitter molecules from vesicles into the synaptic gap.
- 3 Neurotransmitter molecules bind with receptor proteins on the next neurone.
- 4 The neurotransmitter molecules diffuse across the gap.

What is the actual sequence of events?

- A** 2 → 4 → 1 → 3
- B** 2 → 4 → 3 → 1
- C** 4 → 2 → 1 → 3
- D** 4 → 2 → 3 → 1