

Foundation Separate version — Higher Tier (★) questions removed.

Q1. Explain why signals at a synapse can only travel in one direction.

[3 marks]

Total: 3 marks

Q1 (3 marks)

Explain why signals at a synapse can only travel in one direction.

- Neurotransmitters released only from PRE-synaptic membrane [1]
- Receptors only on POST-synaptic membrane [1]
- So signal can only travel pre-synaptic → post-synaptic, not backwards [1]