

A neuromuscular junction is a chemical synapse between a motor neuron and a muscle cell. Which of these cells contain synaptic vesicles filled with the neurotransmitter acetylcholine (ACh).

- A motor neuron
- B muscle cell
- C neither
- D both

A neurotransmitter is released from a presynaptic cell—the motor neuron—and diffuses to the postsynaptic cell—the muscle cell— where it binds to specific protein receptors.

Answer **A**.