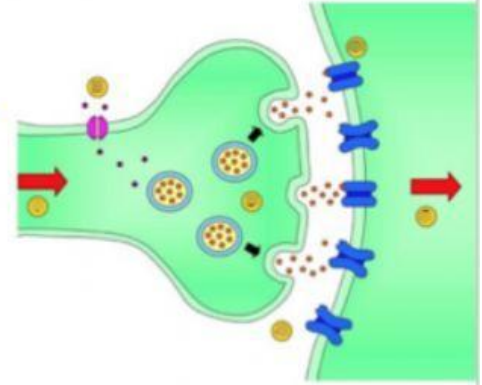


Arrange the following steps the transmission of the nerve impulse through the synapse:

- (1) neurotransmitter are released through the synapse area by a process called cellular output(exocytosis).
- (2) The arrival of the nerve impulse (action potential) to the end of the neuron axon.
- (3) The nerve impulse pathway is transferred to the dendritic of another neuron and then to the end of the neuron axon, and thus the process is repeated.
- (4) Small sacs (vesicles) carrying neurotransmitter fuse with the plasma membrane.



arrangement numbers: (....) → (...) → (.....) → (.....)