

Chapter 8b

Neurons: Cellular and Network Properties

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ALWAYS LEARNING

PEARSON

Cell-to-Cell: Neurons Communicate at Synapses

- Electrical synapses pass electrical signals through gap junctions
- Chemical synapses use neurotransmitters that cross synaptic clefts

Cell-to-Cell: Neurocrine Receptors

- Iontropic receptors
 - Receptor-channels
 - Mediate rapid responses
 - Alter ion flow across membranes
- Metabotropic receptors
 - G protein–mediated receptors
 - Mediate slower responses
 - Some open or close ion channels