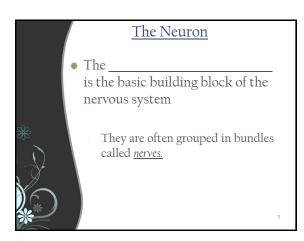
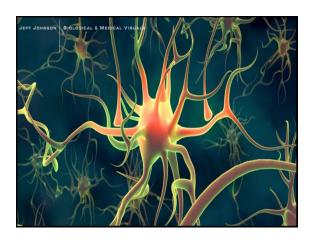
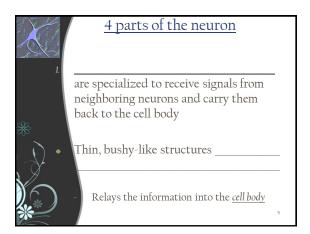
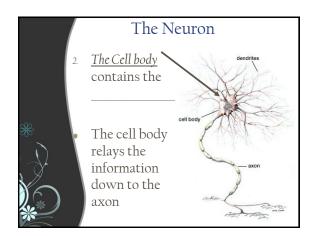
How is the Nervous System Organized? Chapter 3-Neuroscience: The Brain and Behavior

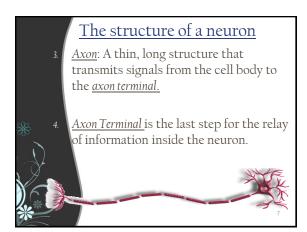
Class Objectives: Undertify and define the structures of the neuron Undertify and discuss the role of neurotransmitters on behavior

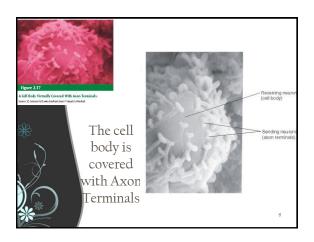




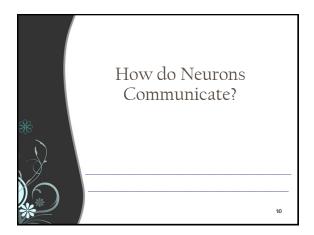


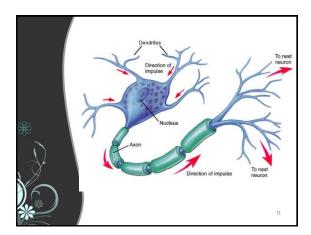




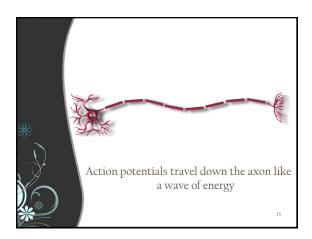


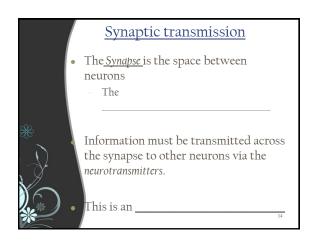
Once the information hits the terminal, it is transmitted outside the cell by

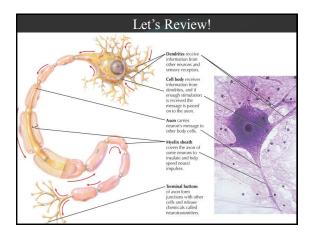


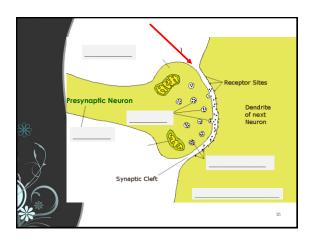


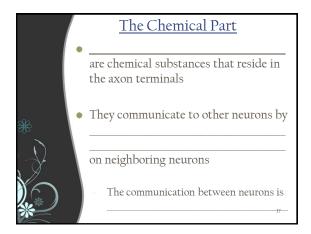
	The Electrical Part
•	is an electrical current sent down the axon.
*>	This current causes the neuron to "fire"
	This is an process
**	12

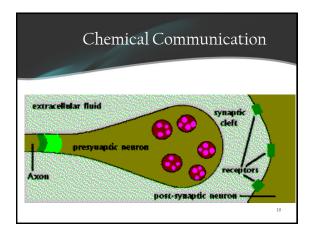












Synaptic Transmission The neurotransmitters are released from the vesicles and then attach to receptors located on the postsynaptic neuron. These neurotransmitters are in contact with the dendrite of the postsynaptic neuron only briefly.

Neurotransmitters

• At least 50 different types of neurotransmitters have been identified

- Acetylcholine
- GABA
- Serotonin
- Dopamine
- Norepinephrine
- Endorphins

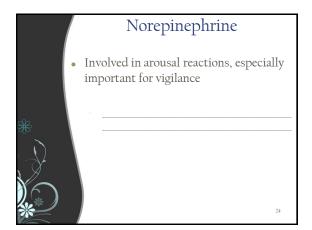
20

	(ACH)
	Activates motor neurons controlling
*	Contributes to the

			_

Neurotransmitters Gamma-aminobutyric acid (______) is involved in experiences of Serotonin is involved in sleep and

Dopamine Contributes to control of voluntary movements, Too much dopamine has been associated with Too little dopamine has been associated with





Drugs Impact on the Brain Common drugs can alter the Some drugs can mimic/facilitate the action of the neurotransmitters while others can block the action of the neurotransmitter.

