Unit 3

Biological Bases of Behavior

1. Describe methods for studying the brain and for assessing brain damage and outline the basic structure of the nervous system.
2. Identify the parts of the brain and the functions of each.
3. Describe the functions of the four lobes and the cerebral cortex.
4. Understand the structures of neurons and the steps of synaptic transmission.
5. Explain the effects of psychotropic drugs on the brain and behavior.
6. Describe the causes and effects of drug addiction on the brain and behavior.
7. Explain the function of neurotransmitters with respect to behavior and cognitive processes.
8. Analyze the research on the split-brain syndrome and explain how this research helps explain hemispheric brain function.
9. Describe the function of the Endocrine system.
10. Describe the impact of genetics on behavior.
11. Explain the functions of the sensory organs and how their structure and function impact perception.