



Chapter 1  
Biology and Behavior

9. If the amount of acetylcholinesterase, an enzyme that breaks down acetylcholine, is increased, which of the following would likely be the result?
- A. Weakness of muscle movements
  - B. Excessive pain or discomfort
  - C. Mood swings and mood instability
  - D. Auditory and visual hallucinations
10. The adrenal glands do all of the following EXCEPT:
- A. promote the fight-or-flight response via estrogen.
  - B. produce stress responses via cortisol.
  - C. produce both hormones and neurotransmitters.
  - D. release estrogen in males and testosterone in females.
11. A disorder of the pineal gland would most likely result in which of the following disorders?
- A. High blood pressure
  - B. Diabetes
  - C. Insomnia
  - D. Hyperthyroidism
12. Which of the following neurotransmitters is associated with both schizophrenia and Parkinson's disease?
- A. GABA
  - B. Serotonin
  - C. Dopamine
  - D. Enkephalins
13. In a personality survey, which set of twins *would* be expected to score most similarly?
- A. Identical twins raised in different homes
  - B. Fraternal twins raised in different homes
  - C. Identical twins raised in the same home
  - D. Fraternal twins raised in the same home
14. During a physical examination, a physician brushes the bottom of the foot of a fifty-year-old patient with multiple sclerosis. Her toes are observed to curl toward the bottom of her foot, with no fanning of the toes. This response is:
- A. abnormal, and evidence that she is exhibiting a primitive reflex.
  - B. normal, and evidence that she is exhibiting a primitive reflex.
  - C. abnormal, and evidence that she is not exhibiting a primitive reflex.
  - D. normal, and evidence that she is not exhibiting a primitive reflex.
15. Which of the following fine motor tasks would one expect to see first in an infant?
- A. Grasping for objects with two fingers
  - B. Following objects with the eyes
  - C. Scribbling with a crayon
  - D. Moving a toy from one hand to the other