

## Section 35–5 Drugs and the Nervous System (pages 910–914)



### Key Concepts

- What are the different classes of drugs that directly affect the central nervous system?
- What is the effect of alcohol on the body?

### Introduction (page 910)

1. Is the following sentence true or false? A drug is any illegal substance that changes the structure or function of the body. \_\_\_\_\_
2. Is the following sentence true or false? Among the most powerful drugs are the ones that cause changes in the nervous system, especially to the brain and the synapses between neurons. \_\_\_\_\_
3. How can drugs disrupt the functioning of the nervous system? \_\_\_\_\_  
\_\_\_\_\_

### Drugs That Affect the Synapse (pages 910–914)

Match the drug or type of drug with one way that it can affect the body.

- | Drug or Type of Drug | Effect on the Body                   |
|----------------------|--------------------------------------|
| _____ 4. Stimulant   | a. Acts on pleasure centers of brain |
| _____ 5. Depressant  | b. Destroys liver cells              |
| _____ 6. Cocaine     | c. Reduces pain                      |
| _____ 7. Opiate      | d. Decreases heart rate              |
| _____ 8. Marijuana   | e. Increases blood pressure          |
| _____ 9. Alcohol     | f. Causes lung damage                |
10. Circle the letter of each choice that is a stimulant drug.
 

a. nicotine	c. amphetamine
b. cocaine	d. codeine
  11. Circle the letter of each choice that is a depressant drug.
 

a. alcohol	c. tranquilizer
b. morphine	d. barbiturate
  12. Cocaine causes the sudden release in the brain of a neurotransmitter called \_\_\_\_\_.
  13. Is the following sentence true or false? The most widely abused illegal drug is marijuana. \_\_\_\_\_

14. Circle the letter of each choice that is a result of long-term use of marijuana.
- a. Loss of memory
  - b. Inability to concentrate
  - c. Increase in testosterone
  - d. Cirrhosis of the liver
15. Is the following sentence true or false? Alcohol is one of the most abused legal drugs.

\_\_\_\_\_

16. What is fetal alcohol syndrome, or FAS? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

17. People who have become addicted to alcohol suffer from a disease called \_\_\_\_\_.

18. How does long-term alcohol use affect the body? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Drug Abuse (page 914)**

19. The intentional misuse of any drug for nonmedical purposes is referred to as \_\_\_\_\_.
20. An uncontrollable dependence on a drug is known as \_\_\_\_\_.
21. What is psychological dependence on a drug? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
22. When does physical dependence on a drug occur? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
23. How can drug use increase the transmission of HIV, the virus that causes AIDS?  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_