

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?

