

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

*This section describes how different types of drugs affect the nervous system.*

### Introduction (page 910)

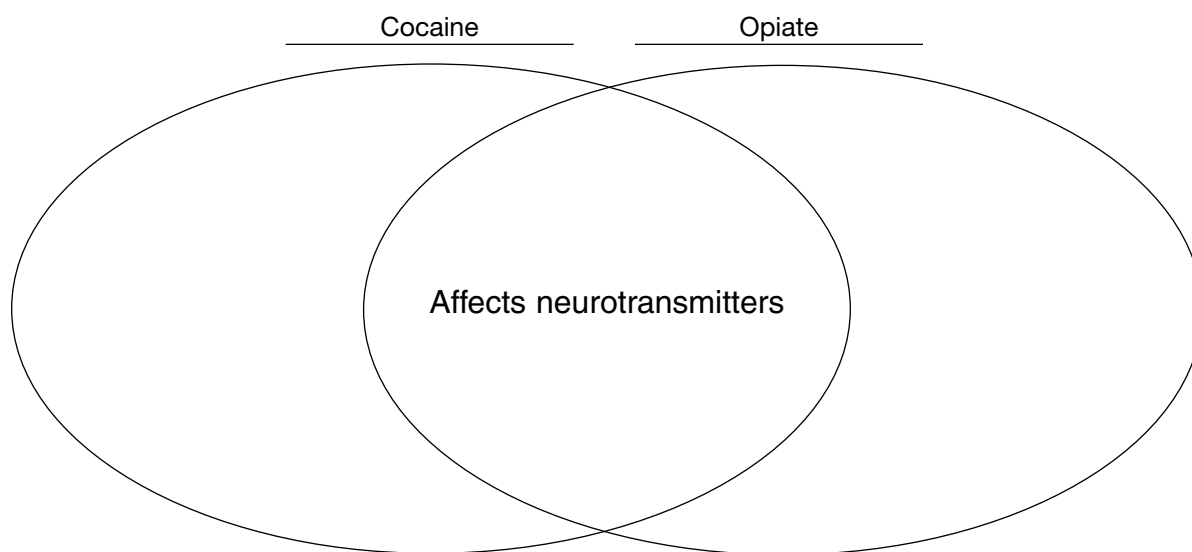
1. Is the following sentence true or false? A drug is any illegal substance that changes the structure or function of the body. \_\_\_\_\_
2. Is the following sentence true or false? Among the most powerful drugs are the ones that cause changes in the nervous system, especially to the brain and the synapses 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      b. cocaine      c. amphetamine      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      c. Increase in testosterone  
 b. Inability to concentrate      d. Cirrhosis of the liver

15. Complete the Venn diagram.



16. Is the following sentence true or false? Alcohol is one of the most abused legal drugs.

\_\_\_\_\_

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

\_\_\_\_\_

\_\_\_\_\_

18. People who have become addicted to alcohol suffer from a disease called

\_\_\_\_\_.

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

\_\_\_\_\_

\_\_\_\_\_

## Drug Abuse (page 914)

20. The intentional misuse of any drug for nonmedical purposes is referred to as

\_\_\_\_\_.

21. An uncontrollable dependence on a drug is known as \_\_\_\_\_.

22. What is psychological dependence on a drug? \_\_\_\_\_

\_\_\_\_\_

23. When does physical dependence on a drug occur? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

24. How can drug use increase the transmission of HIV, the virus that causes AIDS?

\_\_\_\_\_

\_\_\_\_\_

## WordWise

Solve the clues to determine which vocabulary terms from Chapter 35 are hidden in the puzzle. Then find and circle the terms in the puzzle. The terms may occur vertically, horizontally, or diagonally.

```

a   q   u   a   t   o   d   e   n   d   r   o   s
h   x   e   m   h   n   e   u   r   o   n   t   o
p   o   o   e   r   e   n   c   e   l   l   h   r
u   s   m   n   e   h   d   p   b   o   d   a   h
p   c   t   i   s   e   r   y   i   a   r   l   p
i   l   i   n   h   l   i   m   w   t   c   a   y
l   e   s   g   o   i   t   p   o   n   d   m   o
f   i   r   e   l   c   e   r   e   b   r   u   m
e   n   g   s   d   a   b   r   a   i   u   s   o
c   e   r   e   b   e   l   l   u   m   p   o   t
e   h   r   e   t   i   n   a   s   t   e   m   a
b   i   j   k   f   m   y   e   s   h   e   t   g
a   b   s   y   n   l   e   n   s   a   p   e   s
c   i   p   o   t   e   e   n   t   i   a   l   t
k   t   n   e   u   r   o   x   t   r   a   n   v

```

### Clues

Type of cell that carries messages throughout the nervous system

Part of a neuron that carries impulses toward the cell body

Part of a neuron that carries impulses away from the cell body

Minimum level of a stimulus required to activate a neuron

Three layers of tissue in which the brain and spinal cord are wrapped

Area of the brain responsible for voluntary activities of the body

Area of the brain that coordinates body movements

Brain structure that receives messages from the sense organs

Quick automatic response to a stimulus

Part of the eye that focuses light on the retina

Small opening in the iris of the eye

Lining inside the eye that contains photoreceptors

### Hidden Words

---



---



---



---



---



---



---



---



---



---



---