Section: Drugs and the Brain – Page 230

PART I

Complete each of the following statements with the correct word or phrase.

1. The uncomfortable physical and psychological symptoms produced when a physically dependent user stops using drugs is called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

2. Chemicals that influence the way that neurons communicate with each other are called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

3. The condition in which a person’s body relies on a given drug in order to function is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

4. A condition in which a person can no longer control his or her drug use is called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

5. When a person’s body forms a(n) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to a regularly abused drug, higher and higher doses are needed to produce the same effects.

PART II

Write the letter of the correct answer in the blank.

\_\_\_\_\_\_ 6. Which sequence describes the path to drug addiction?

a. drug use, tolerance, dependence, addiction

b. drug use, dependence, tolerance, addiction

c. drug use, addiction, dependence, tolerance

d. tolerance, drug use, dependence, addiction

7. The best way to avoid addiction is to

a. research treatment options.

b. avoid misusing or abusing drugs.

c. enroll in a treatment program.

d. only experiment with drugs.

8. Behavioral warning signs of addiction include

a. loss of interest in schoolwork and change of appearance.

b. change of friends and unexplained mood swings.

c. absence from school and unexplained need for money.

d. All of the above

9. The neurotransmitter responsible for producing pleasure is

a. serotonin.

b. epinephrine.

c. dopamine.

d. None of the above

Answer the following question in the space provided.

10. Drugs affect the way the brain works. Some drugs change how messages in the brain are sent and activate the brain reward system. When this happens, a predictable course of events occurs that results in addiction. Describe how drugs of abuse affect the brain, leading to addiction. What are the effects of addiction? How can addiction be avoided?