



## The CCB Science 2 Service Distance Learning Program<sup>®</sup>

Please complete all required information and fax to 203.284.9500

For questions or assistance with the program, please email Jeff at [JQuamme@ctcertboard.org](mailto:JQuamme@ctcertboard.org)

### S2S 2047 The Science of Addiction

#### POST-TEST

1. When science began to study addictive behavior in the \_\_\_\_\_, people who were addicted to drugs or alcohol were thought to be morally flawed or lacking in willpower.
  - a. 1920's
  - b. 1930's
  - c. 1940's
  - d. 1950's
2. Abuse and addiction to alcohol, nicotine, and illegal substances cost Americans upwards of \_\_\_\_\_ dollars per year.
  - a. 50 billion
  - b. 100 billion
  - c. ½ trillion
  - d. 1 trillion
3. Addiction is a chronic, relapsing \_\_\_\_\_ that is characterized by compulsive drug seeking and use, despite harmful consequences.
  - a. moral issue
  - b. lack of willpower
  - c. character flaw
  - d. brain disease
4. \_\_\_\_\_ are particularly vulnerable to drug use because of the strong influence of peer pressure.
  - a. women
  - b. children
  - c. college students
  - d. adolescents
5. Brain-imaging studies from drug addicted individuals show physical changes in areas of the brain critical to \_\_\_\_\_.
  - a. judgment and decision making
  - b. learning and memory
  - c. behavior control
  - d. all of the above
6. The more \_\_\_\_\_ a person has, the greater the chance that taking drugs will lead to abuse and addiction.
  - a. protective factors
  - b. genetic factors
  - c. risk factors
  - d. environmental



## **The CCB Science 2 Service Distance Learning Program<sup>®</sup>**

*Please complete all required information and fax to 203.284.9500*

*For questions or assistance with the program, please email Jeff at [JQuamme@ctcertboard.org](mailto:JQuamme@ctcertboard.org)*

7. \_\_\_\_\_ a drug increases its addictive potential.
  - a. snorting
  - b. injecting
  - c. smoking
  - d. b and c only
  
8. From 2001 to 2007, teen illicit drug use declined by:
  - a. 10%
  - b. 15%
  - c. 24%
  - d. 30%
  
9. The \_\_\_\_\_ contains the brain's reward circuit, and is activated by drugs of abuse.
  - a. brain stem
  - b. limbic system
  - c. cerebral cortex
  - d. amygdala
  
10. Chemical messengers in the brain are called \_\_\_\_\_.
  - a. neurotransmitters
  - b. receptors
  - c. neurons
  - d. transporters
  
11. All drugs of abuse target the brain's reward system by flooding the circuit with \_\_\_\_\_.
  - a. serotonin
  - b. dopamine
  - c. venlafexine
  - d. testosterone
  
12. Drug addiction relapse rates are \_\_\_\_\_ than those of hypertension and asthma.
  - a. slightly higher
  - b. slightly lower
  - c. significantly higher
  - d. about the same