

Quiz: Brain and Addiction

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Instructions: After reviewing **Facts on Drugs: Brain and Addiction** on the *NIDA for Teens* Web site (<http://teens.drugabuse.gov/>), take this short quiz to test your knowledge.

1. The human brain weighs about as much as a _____.
 - a) doughnut
 - b) 12-pack of soda
 - c) Chihuahua
2. Neurons in the brain communicate with each other by _____.
 - a) passing axons
 - b) releasing chemicals
 - c) instant messaging
3. When you do something you enjoy, like watch a good movie, your _____ system gets activated.
 - a) limbic
 - b) digestive
 - c) nervous
4. When someone uses drugs repeatedly, their brain _____.
 - a) becomes trained to crave the drug
 - b) becomes smaller than before
 - c) is not changed
5. After a prolonged period of drug abuse, the brain _____.
 - a) needs less drug to get the same effect
 - b) needs more drug to get the same effect
 - c) experiences increasing amounts of dopamine

6. The brain's reward system is part of the _____.
- a) sensory cortex
 - b) limbic system
 - c) spinal cord
7. Brain cells or neurons turn electrical impulses into _____.
- a) chemical signals
 - b) movement
 - c) axons
8. Drugs work in the brain because they have similar _____
- a) electrical charges as brain cells
 - b) size and shape as natural brain chemicals
 - c) nerve cells as the brain
9. Drugs of abuse create intense feelings because they _____.
- a) depress the nervous system
 - b) shut off receptors in the occipital lobe
 - c) cause a rise in dopamine in the limbic system
10. Drug abusers develop "tolerance" for drugs, meaning they need _____.
- a) more drug to get the same effect
 - b) less drug to get the same effect
 - c) neither A or B