1 The term “dabbing” refers to smoking extracts from what drug?
   A. Marijuana
   B. K2/Spice
   C. Cocaine
   D. Methamphetamine

2 What drug has been shown to promote the spread of HIV?
   A. Adderall®
   B. Marijuana
   C. Cocaine
   D. Aspirin

3 Which of these is a symptom of alcohol overdose?
   A. Irregular breathing
   B. Confusion
   C. Vomiting
   D. All of the above

4 Most e-cigarettes contain four components. Name the one they do NOT have.
   A. A cartridge or reservoir, which holds a liquid solution
   B. A heating element (atomizer)
   C. A power source (like a battery)
   D. A mouthpiece
   E. A mouth shield that protects your lungs from possible harm

5 There have been a lot of news reports lately about people overdosing on prescription pain relievers, known as opioids. How many people died in the United States in 2015 from pain reliever overdoses?
   A. 2,458
   B. 11,702
   C. 22,598
   D. 104,096
6. The brain is particularly vulnerable to damage from alcohol while it is still developing. Until about what age does the brain continue to develop?
   A. Until around age 18
   B. Well into the 20s
   C. Around age 35
   D. Until around age 1

7. Some synthetic drugs are illegally made in laboratories. Check all drugs that are synthetics.
   A. K2/Spice
   B. Bath salts
   C. Fentanyl
   D. MDMA (Molly or Ecstasy)
   E. All of the above

8. True or False: Most high school seniors have tried marijuana.
   A. True
   B. False

9. How does alcohol affect the teenage brain in the short term? Choose all that are correct.
   A. It compromises decision-making and the ability to recognize danger.
   B. It acts to increase attention and focus.
   C. It improves memory.
   D. It improves vision when consumed in small amounts.

10. About how many people age 16 and older say they have driven after taking illicit drugs?
    A. 40,000
    B. 1.9 million
    C. 4 million
    D. 12 million

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For the correct answers, go to the last page.
11. Prescription stimulants, like the ones used to treat ADHD, act on what kind of chemicals in the brain?
A. Hydrogen and nitrogen
B. Phosphorous
C. Norepinephrine and dopamine
D. Calcium

12. NIDA scientists are coordinating a large study with more than 10,000 young people to find out how things like drugs, social experiences, sports injuries, accidents, and other factors affect the development of the brain. It is called the ABCD Study. ABCD stands for:
A. Analysis of Basic Childhood Discipline
B. A Big Childhood Data-Grab
C. Assessment of Behavior, Children, and Drugs
D. Adolescent Brain Cognitive Development

HTTPS://TEENS.DRUGABUSE.GOV/2018IQCHALLENGE
A. Smoking THC-rich resins extracted from the marijuana plant is called “dabbing.” These extracts come in various forms and consistencies, such as oils, gooey liquids, waxes, and soft or hard solids. These extracts can deliver large amounts of THC to the body, and their use has sent people to the emergency room. Preparing these extracts is also dangerous because it usually involves butane (lighter fluid). A number of people have caused fires and explosions and have been seriously burned from using butane to make extracts at home. To learn more about marijuana, visit https://www.drugabuse.gov/publications/drugfacts/marijuana.

B. Research shows that young people’s brains keep developing well into their 20s. Alcohol can alter this development, potentially affecting both the brain’s structure and its function, meaning how well it processes information. This can cause cognitive or learning problems later in life. This is especially a risk when people start drinking young and drink heavily. Learn more about how alcohol affects the brain at https://pubs.niaaa.nih.gov/publications/UnderageDrinking/UnderageFact.htm.

C. Nearly 23,000 people died in the United States from prescription opioid pain reliever overdoses in 2015. 15,000 died from heroin overdoses the same year. Heroin is also an opioid. Most people who use heroin start with first misuse opioid pain relievers. These pain relievers should ONLY BE TAKEN AS PRESCRIBED BY YOUR DOCTOR. It is impossible to predict who will become addicted. To learn more about opioid overdose rates, visit https://www.drugabuse.gov/related-topics/trends-statistics/overdose-death-rates.

D. Alcohol overdose occurs when there is so much alcohol in the bloodstream that areas of the brain controlling basic life-support functions, such as breathing, heart rate, and temperature control, begin to shut down. Symptoms of alcohol overdose include confusion; difficulty remaining conscious; vomiting; seizures; trouble breathing; slow heart rate; clammy skin; dulled responses, such as no gag reflex (which prevents choking); and extremely low body temperature. If you suspect someone is experiencing an alcohol overdose, get medical help immediately. Cold showers, hot coffee, or walking will not reverse the effects of alcohol overdose and could actually make things worse. Alcohol overdose can lead to permanent brain damage or death. To learn more about alcohol overdose, visit https://pubs.niaaa.nih.gov/publications/Alcohol0verdoseFactsheet/OverdoseFact.htm.

E. E-cigarette use exposes the lungs to a variety of harmful chemicals, including those added to e-liquids and other chemicals produced during the heating/vaporizing process. A study of some e-cigarette products found the vapor contains known carcinogens and toxic chemicals, as well as potentially toxic metal nanoparticles from the device itself. Learn more about e-cigarettes here: https://www.drugabuse.gov/publications/drugfacts/electronic-cigarettes-e-cigarettes.

F. Studies have shown that cocaine use speeds up heart rate, constrict blood vessels, increase blood pressure and heart rate, and can lead to permanent brain damage or death. To learn more about the health effects of cocaine here: https://www.drugabuse.gov/publications/drugfacts/cocaine.

G. Alcohol Overdose Factsheet/Overdosefact.htm.

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