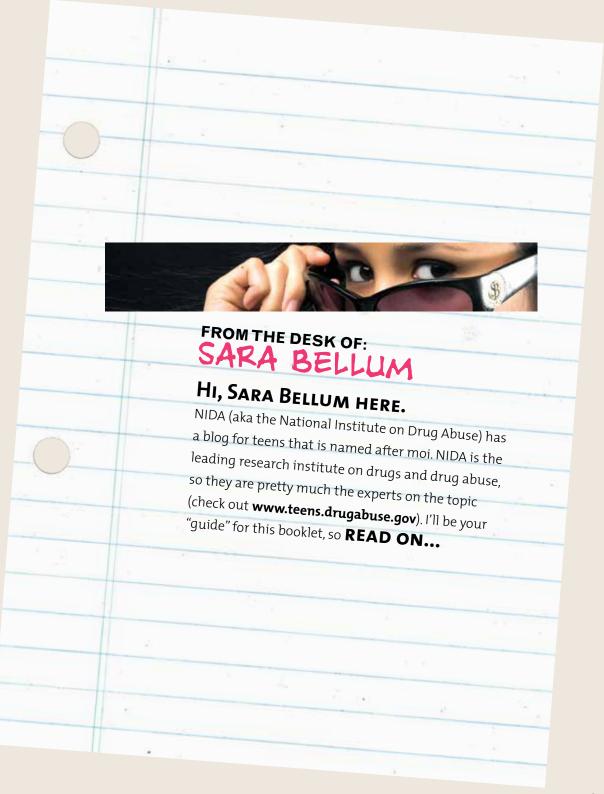


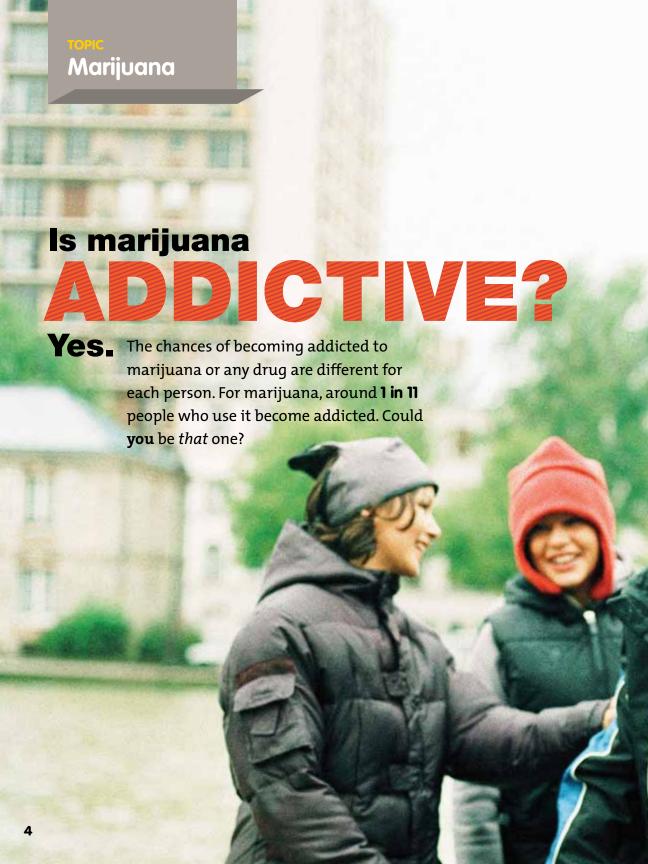
## What does the National Institute on Drug Abuse do?

NIDA is part of the National Institutes of Health. We are the largest supporter of the world's research on drug abuse and addiction. Our goal is to better understand who uses drugs and why, and how drugs work in the brain and body, so we can develop and test new ways to prevent and treat drug abuse and addiction.

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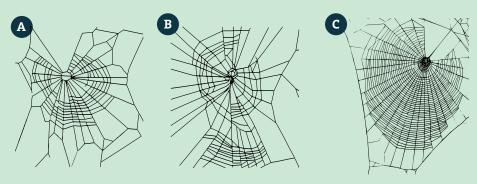




## Marijuana can affect learning and memory by acting in which part of the brain?

- A. Hippocampus
- B. Brain stem
- C. Visual cortex
- D. All of the above

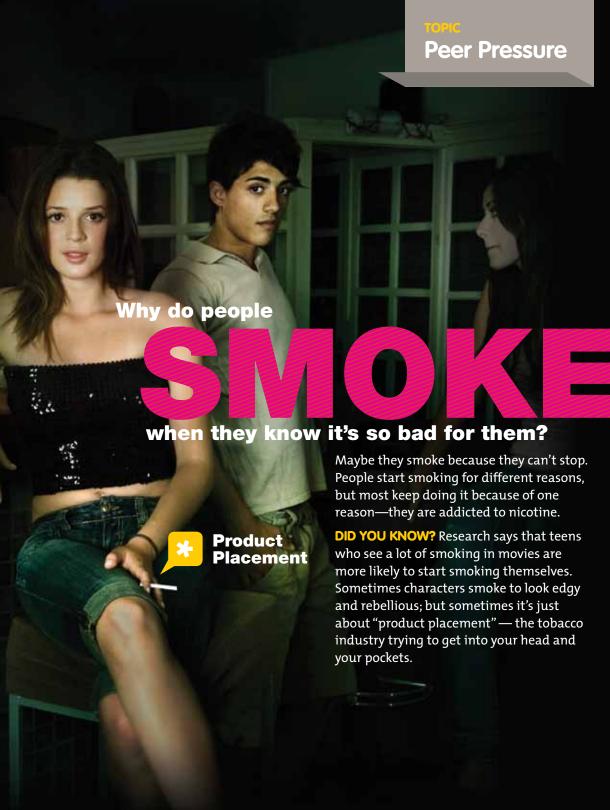
## Which of these webs is made by a spider that is NOT on drugs?



#### "Spice" (also known as K-2):

- A. Is considered to be a "fake marijuana"
- B. Has put people in emergency rooms with vomiting, confusion, and hallucinations
- C. Is abused mainly by smoking
- D. All of the above







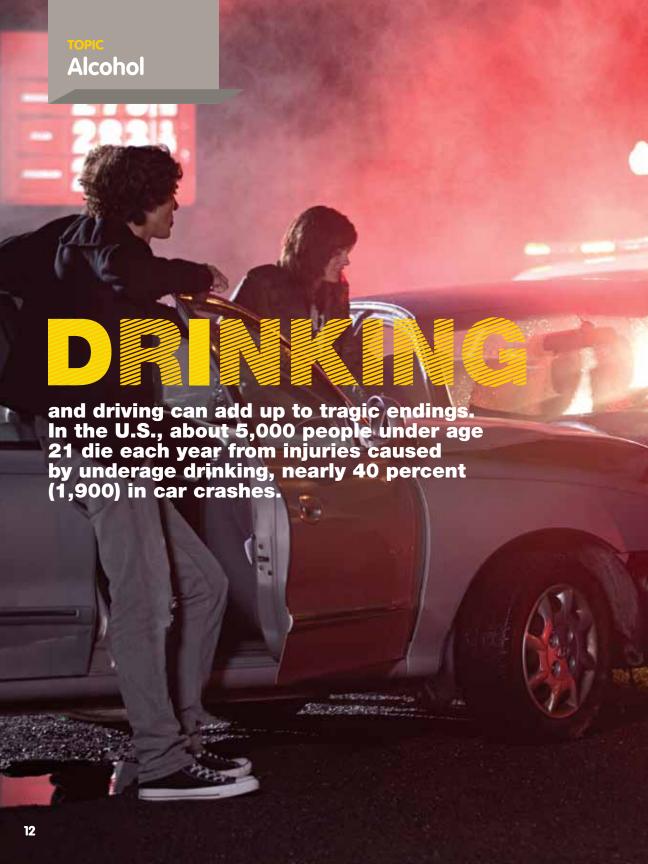
MOST PEOPLE WHO START SMOKING IN THEIR TEENS BECOME REGULAR SMOKERS BEFORE THEY'RE 18.

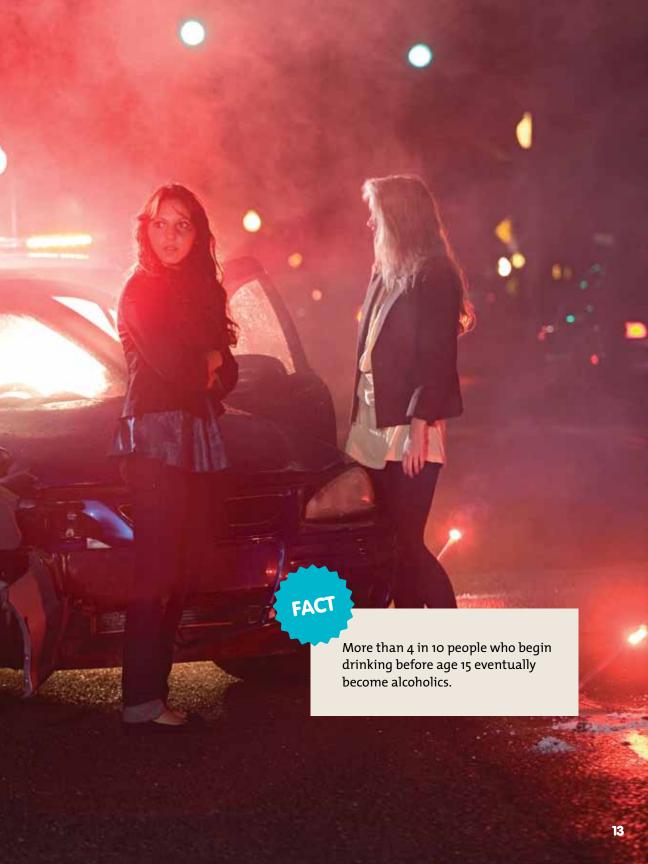
#### Smokeless tobacco does not cause cancer.

- A. True, it is the tar in cigarettes that causes lung cancer, emphysema, and bronchial disorders.
- B. False, smokeless tobacco (such as chewing tobacco and snuff) increases the risk of cancer, especially oral cancers.

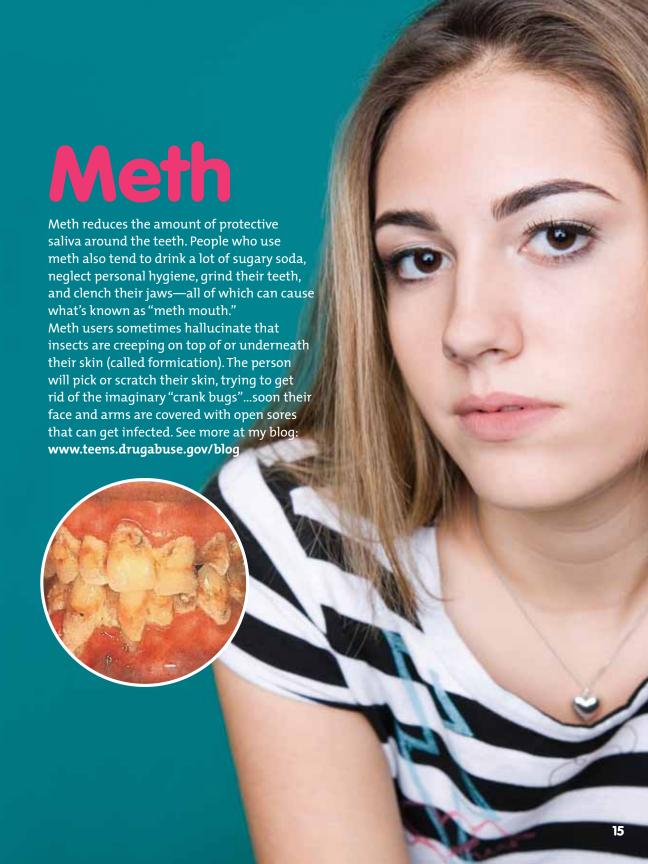
## How many Americans die from diseases associated with tobacco use each year?

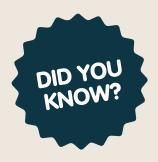
- A. About 1,500
- B. About 13,200
- C. About 50,500
- D. About 440,000











You are getting bombarded with messages about drugs in songs and movies. A study of the most popular songs in 2005 found that about:



tobacco use.



rap songs said something about drug, alcohol, or tobacco use.

And of the top 90 movies over the last two decades, almost



movies showed characters smoking.

movies showed people getting drunk.

Get the facts, and make your own decisions.

Tobacco

Wrinkles, bad breath, yellow teeth, wheezing, stinky clothes?...Let me at those cigarettes!

**ADDICTION** 

**SKIN DAMAGE** 

**CATARACTS** 

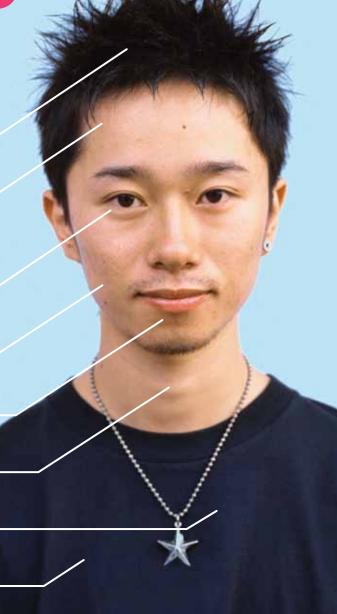
**WRINKLES** 

**MOUTH CANCERS** 

**THROAT CANCER** 

**HEART DISEASE** 

**LUNG DISEASE** 



17



#### What is Vicodin?

Vicodin is a medication prescribed to relieve pain. When taken as prescribed it can be very effective, helping people recover from surgery, for example. But it is from the same class of drugs as heroin and can be dangerous if used to get high.



#### **FACT**

In 2007, prescription pain medications like Vicodin and OxyContin were involved in more overdose deaths than heroin and cocaine combined.

#### A lot of you have asked: how can

# PRESCRIPTION DRUGS

## be harmful when they're prescribed by doctors? Prescription drugs aren't bad—they totally

Prescription drugs aren't bad—they totally help a lot of people. It really depends on the who, how, and why of it—who were they prescribed for (you or someone else?), how are you taking them (as prescribed or not?), and why (to get well or to get high)?

Some teens abuse stimulants thinking it will improve their grades; in fact, it may do just the opposite!



#### It's safe to use prescription medications when:

- A. You've checked out WebMD and know what you are doing.
- B. You've taken them before for another problem.
- C. They are prescribed for you by a doctor for a current problem.
- D. Your mom gave them to you from her prescription.
- E. All of the above.



Mixing pills with other drugs or with alcohol really increases your risk of death from accidental overdose.

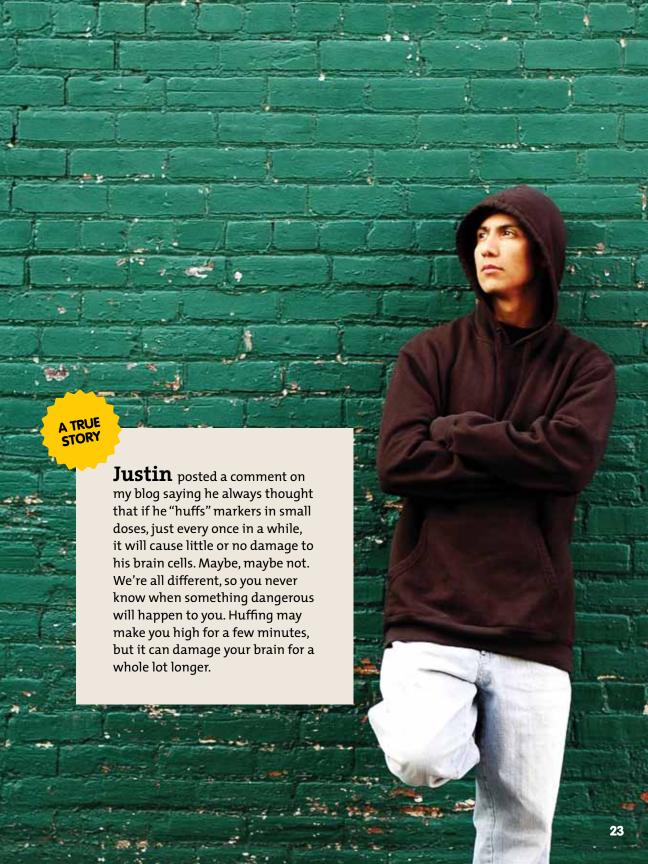
Abuse of prescription stimulants like Ritalin and Adderall can cause serious health problems, including panic attacks, seizures, and heart attacks.

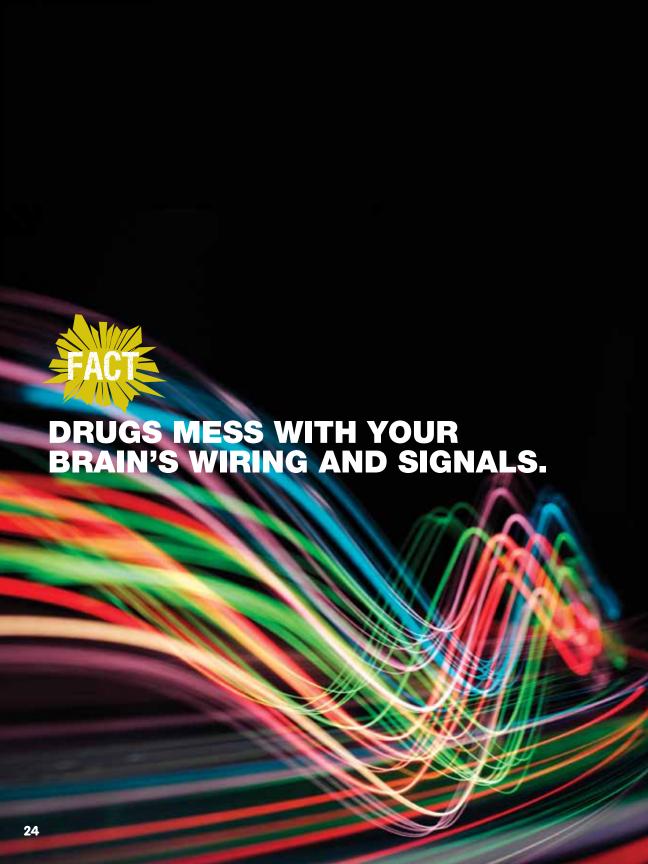
#### You know they make you

# but what do drugs do to your brain?

Different drugs do different things. But they *all* affect the brain—that's why drugs make you feel high, low, speeded up, slowed down, or see things that aren't there.

**DID YOU KNOW?** Repeated drug use can reset the brain's pleasure meter, so that without the drug, you feel hopeless and sad. Eventually, everyday fun stuff like spending time with friends or playing with your dog doesn't make you happy anymore.





### Some drugs affect the brain because their chemical structures are similar to natural brain chemicals called:

- Δ neurons
- B. axons
- C. neurotransmitters
- D. dendrites

### Sniffing markers can harm the brain by affecting a fatty tissue called:

- A. myelin
- B. noradrenaline
- C. frontal cortex
- D. polyneuropathy

#### Salvia is a herb that can make you:

- A. Feel a surge of connectedness to what's around you.
- B. Experience hallucinations and emotional swings.
- C. Feel detached and less able to interact with what's going on.
- D. Both b and c.
- E. Both a and b.

## REHAB?

## Does treatment really work—why do people come and go so much?

It takes time to recover from addiction—not only for the brain to re-adjust, but to make lifestyle changes to avoid drugs. Think how hard it is for people trying to lose weight—they try different diets, exercise for a while, lose a few pounds only to gain them back... until they can make lasting changes to keep the weight off. Same with quitting drugs—it may take several rounds of treatment before it sticks.





#### A person who is addicted to drugs...

- A. Is beyond reach.
- B. Can be helped with treatment.
- C. Needs a brain transplant.
- D. Can easily quit if they want to.

#### What do

## Y O U think?

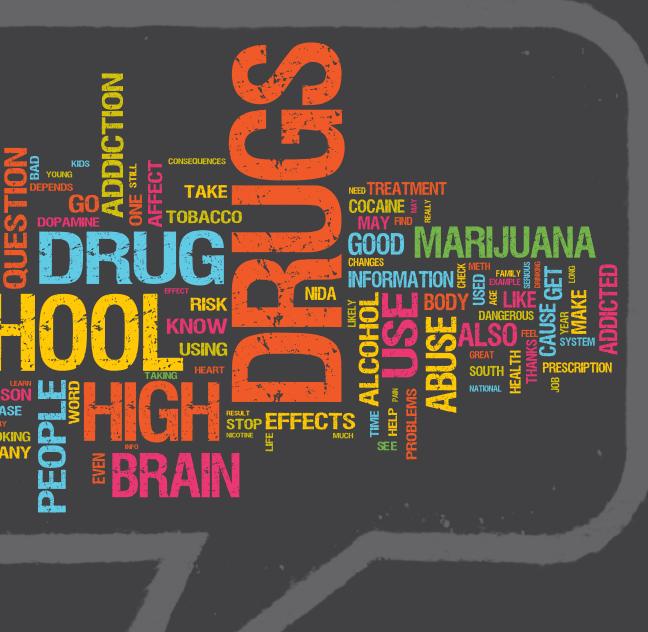
We know you have a lot of questions about drugs. We do too, and we'd love to hear from you! So go to my blog at http://teens. drugabuse.gov/blog/what-do-you-think/ and let us know what you think about the questions below—and thanks for sharing!

- 1. How do you convince a friend who is using drugs that they may be at risk for addiction or other bad consequences even though they feel fine right now?
- **2.** Knowing what we do now, would you make cigarettes illegal if you could?
- 3. What is the best way to convince you or your friends that prescription drugs can be dangerous when abused without scaring the people who need them?
- **4.** Do you consider it cheating when athletes use steroids to improve their performance—what should the consequences be?
- **5.** What's the best way to get messages out to teens—social networks, TV ads, Web sites? Who should the messages be from?

If we haven't covered something you want to know about, go to **www.teens.drugabuse.gov** and enter your topic in the search box.









drugabuse.gov teens.drugabuse.gov





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