## Mouse Party: The New Science of Addiction

[http://learn.genetics.utah.edu/content/addiction/drugs/index.html](http://learn.genetics.utah.edu/content/addiction/drugs/index.html)

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The questions below are from the reading:

As much as _____% of the dopamine producing cells have been damaged after ___________ levels of meth use.

The progressive decrease in the number of dopamine producing cells lead to symptoms of ________________ (uncontrollable shaking).

Meth produces ___________ damage to blood vessels in the brain possibly causing ________________.

(not in the reading) This means that even after the person has stopped using, they have a hard time feeling___________ without the drug.
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**Drug**

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**Under “Changes last longer than use”**
Which parts of the **cocaine** brain have the greatest blood flow reduction?

**Under “How drugs can kill”**
Explain the 3 ways stimulants can kill

You are ____ X more likely to have a heart attack when on cocaine

Draw the **Virgin High Graph** in this section: (this is class notes)

The questions below are from the reading on Cocaine:

What happens to dopamine receptors after repeated use?

This is harmful because when cocaine is no longer taken....

Heart attacks, strokes, p_______, se_______, s_______ loss in the nose and “coke bugs” are just a few of the effects of cocaine use.
### Drug Action Table

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### Questions from Reading on LSD and PCP:

What is a flashback? ____________________________________________________

What is a common hallucination from LSD that is so dangerous? ________________________________

PCP is not really a hallucinogen but instead a dissociative drug. This means it makes people feel as though they are outside their body.

PCP mimics the symptoms of s_____________ and causes m_____________ l_____________, and s_________ d__________.

PCP users have decreased sensitivity to ____________________, and their behavior is often ____________________.
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**Why is morphine used as a painkiller?**
- Under “How drugs can kill”
  - Heroin increases the effect of what neurotransmitter?
  - which causes ______ to slow and eventually ______

**Heroin is the cause for _______ than any other single drug. This is due to ________**

**The questions below are from the reading material on Heroin:**

- Heroin, morphine, vicodin, oxycontin and codeine are examples of opiates meaning they come from the _________ _________ plant.

- With heroin use the breathing rate increases rapidly  TRUE  or  FALSE

- What is one of the most detrimental long term effects of heroin? a ______________________

- Why is heroin particularly addictive? ________________________________________________

- What is methadone? __________________________________________________________________
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<td>GHB</td>
<td>With many of the depressants there is a rapid t__________ to the drug requiring larger and larger doses to get the same “high.” Even though the lethal dose remains the same. Eventually, the amount that is enough to get the person _______ is the same amount that will ________ them. Overdosing is extremely easy to do with these drugs and withdrawal can be fatal. <strong>Please read a little of “Party’s Over”</strong></td>
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| Rohypnol | Why do you think rohypnol is known as the “date rape” drug.  
1.  
2.  
3.  
4. | |

(from the reading material) or http://teens.drugabuse.gov/drug-facts/anabolic-steroids

**Steroids:** What is the hormone taken as an anabolic steroid?_____________________

This is a normal hormone found in both males and females, males produce more of it than females.

What is a Roid Rage?______________________________

What are the major side effects for each sex: Please respond to each of the following areas: reproductive system, voice, face, chest, and skin

| Males: | |
| Females: | |
| Both: | |
### What Is Wrong With Abusing Prescription Drugs?

### What Happens When You Abuse Prescription Drugs?

### Aren’t Prescription Drugs Safer Than Illegal Drugs, Such as Cocaine or Heroin?

### What Are the Common Misconceptions About Prescription Drug Abuse?

~Your choice~ ?

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What is methadone? ______________________________________________________________