3 Functions of Drugs

**STIMULANTS**
- Nicotine
- Cocaine
- Methamphetamine
- MDMA (Ecstasy)

**DEPRESSANTS**
- Alcohol
- Heroin
- Oxycodone (OxyContin)
- Inhalants
- Codeine
- GHB (Gamma Hydroxybutyrate)
- Nitrous Oxide (N20)

**HALUCINOGENS**
- PCP (Phencyclidine)
- LSD (LSDyke Acid)
- Bath Salts

**DOWNERS**
- Mushrooms (Psilocybin)
- Marijuana

**ALL-AROUNDERS**
- Fentanyl (MDMA)
- Meizaine (Mescaline)

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**Why Use Drugs?**

1. Peer Pressure
2. Lack of parent involvement / Family Addictions
3. Boredom / Curiosity
4. Self Medication
5. Low of self-esteem
6. Lack of morals and values
7. Defy authority
Risk Factors

- Genetics
- Environmental; events during childhood
  - Abuse
  - Trauma
- Stressful events

These factors can disrupt the normal stress-response (dopamine), thus making individuals more vulnerable to addiction.

MARIJUANA
"WEED"
What is Marijuana?

Tetrahydrocannabinol

Marijuana is the preparation of various parts of the hemp plant Cannabis sativa (the leaves, flowers, buds, and seeds). Tetrahydrocannabinol (THC) is the main psychoactive ingredient in marijuana.

Marijuana is usually smoked. The leaves and flower top are dried and the rolled into cigarettes called joints.

Signs & Symptoms

- New circle of friends, secretive actions
- Sudden negative attitude about school
- Fascination with clothes that contain drug insignias
- Constant asking for money or money missing from home.
- Use of incense, heavy deodorants or perfumes
- Use of mouthwash, eye drops, or breath mints
- Drug paraphernalia, pipes, rolling papers, matches, etc.
Facts about Marijuana

Marijuana is the most widely illicit drug in the United States (cocaine is second).

**Short Term Effects:**
- Dry mouth and throat
- Increased heart rate and pulse rate
- Bloodshot watery eyes
- Impaired learning, memory, judgment, and complex motor skills
- Difficulty speaking, listening, thinking, and problem solving
- Paranoia
- Distorted perception (sight, sound, taste, touch)

**Long Term Effects:**
- Psychological dependence
- Increased levels of delinquency, fighting, arrests, and health problems
- Bronchitis and chronic cough
- Emphysema
- Asthma
- Lung cancer

How Weed Becomes a Habit

The Influence of Emotions

- Sadness
- Anger
- Emptiness
- Stress
- Anxiety

Feel Better Temporarily

Reduces Negative State

Becomes a Habit

Neural Pathways Link Mood with weed

Normally sold on campus in “dime bags”
Marijuana smoking kit

Electronic Cigarettes
308(b) PC minors

- **Disposable**
  - First time users, light or social smokers. Sold anywhere.

- **Rechargeable**
  - Light to Medium smokers, more nicotine per puff
  - Heavy smokers, most popular

- **E-Go**
  - Heavy smokers, largest nicotine tanks

- **Personal Vaporizers**
  - (HOW) Heavy smokers, biggest & most powerful devices with variable controls & LCD screens.

- **Electronic Cigars**
  - Designed for cigar smokers.

Electronic Vaporizer with Full Melt Base
Electronic Cigarette Liquids

- Nicotine Free: 0 mg nicotine, just flavoring
- Low Strength: 1-4 mg nicotine per milliliter
- Mid Strength: 10-14 mg per ml
- High Strength: 16-19 mg
- Extra-High Strength: 24-54 mg, 54 mg is TOO STRONG

BHO
(Butane Hash Oil)

"WAX, Shatter, Honeycomb"

Wax is tetrahydrocannabinol in its purest form. It is processed by adding butane to the crushed leave of the cannabis plant.

710 is the new 420: Is butane hash oil the crack cocaine of the 2010s?

With hits your head onset new teen age drug that leads crack pipe tunnels and an easy income making get made from a process that Burns up the medical industry. The danger of kids set as the crack cocaine is in a public relations nightmare.
## THC Effects within the Body

<table>
<thead>
<tr>
<th>Positive</th>
<th>Negative</th>
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| - No known overdose  
  - Increase appetite & taste  
  - Analgesic effects  
  - May help Multiple Sclerosis  
  - Relaxation  
  - May help to reduce glaucoma in SOME patients | - Addiction  
  - Disrupts brain activity  
  - Impairs learning, memory, judgement  
  - Lack of motivation  
  - Reduces problem-solving skills  
  - Coughing, wheezing, lack of breath |

![Brain Diagram with THC](brain_diagram.png)

![Eye Examination](eye_examination.png)
Negative affects on your community

Personal Impact

- Self Feeling
  - Makes me feel good
  - Relaxes me (STRESS)
  - Makes me laugh
  - Good for you
  - Everyone does it
  - Be with my friends

- Family
  - Conflict with parents
  - Sad Parents
  - Disappointment
  - Loss of trust
  - Lack of Motivation
  - Legal Problems
  - Poor school performance

Spice - K2

A Mixture of Dried Herbs, Flowers, and Potpourri which has been enhanced with the chemical 1-Pentyl-3-(1-Naphthoyl) Indole (K2)
What Is Cocaine?

- Extracted from the leaf of the coca plant
- White crystalline powder
- Off-white chunky material

COCaine vs CRACK

Cocaine
A potent stimulant of natural origin, which is a white crystalline powder or as an off-white chunky material. It is extracted from the leaf of the coca plant. When sold on the street it may be only 25% cocaine and 75% other fill products, i.e., baking powder, vitamin B, etc.

Crack Cocaine
Crack is the street name for cocaine that has been processed from powdered form to a ready to use free base. It has an off-white color that resembles little rocks or minced macadamia nuts. Crack is more potent than powder cocaine because the fillers are removed.
Smoking Crack

Crack is the street name for cocaine that has been processed from powered form to a ready to use free base.

Crack pipe

Effects of Cocaine

- Increased alertness
- Hyperactivity
- Dilated pupils
- Increased body temperature
- Euphoria
- Giddiness
- Loss of appetite
- May only last for 60-90 minutes

Methamphetamine

- A drug with immense abuse potential
- It is a powerful upper that produces alertness, and elation, along with a variety of adverse reactions
- The effects last much longer than cocaine
- On the street it is called:
  - Speed, crank, Meth, ice, sugar, and the "poor man's cocaine"
"Ice" is the translucent crystal, smokable form of meth.

"Ice" comes in clear rock crystals of varying sizes and is sold in clear, heat sealed cellophane packets.

Ice and the pocket micro-torch, and the glass pipe used to smoke the drug.

Meth. Homemade pipes

28 yrs—8 yrs heavy meth use with top down surface view marked overall decreased activity.
Methylenedioxypyrovalerone (MDPV)

- MDPV is a synthetic central nervous system stimulant.
- Produces a methamphetamine-like high.
- Ingested orally, smoking, snorting, intravenous or intramuscular.
- May last 6-8 hours.
- Causes panic attacks, anxiety, agitation, severe paranoia, hallucinations, psychosis, suicidal thought, self-mutilation, violent & self-destructive behaviors.
- May cause: hypertension, hyperthermia (high body temp), sweating, seizures, strokes, swelling in the brain, heart attack, death.
Date Rape Drugs

How Does It Happen?

Victims have had drugs unsuspectingly slipped into their drinks at bars, clubs and parties for the purpose of reducing their resistance to sexual advances. Once the individual is incapacitated they are then sexually assaulted. Left in a helpless or unconscious state, they can't escape, resist, or call for help.

It is also not unusual for teens and college students to mix these drugs purposefully with alcohol to get a faster and better "high". This can be a very deadly combination. DON'T mix these or any drugs with alcohol!

This page will give you important information on:

- Rohypnol
- GHB
- Ecstasy (MDMA)
- First Aid For Drugs

Methylenedioxymethamphetamine

- Ecstasy
- E
- X
- XTC
- Thizz
- Molly
Ecstasy/ Molly

THINGS TO LOOK FOR:
- Little bags
- Candy bracelets or necklaces
- Bags containing MMS
- Symbols of butterflies
- Baby pacifiers
- Lots of heeled bracelets
- Lots of water bottles
**Signs and Symptoms of Ecstasy**

- Similar to those of speed and cocaine...
- Anxiety.
- Blurred vision.
- Confusion.
- Chills or sweating; **very high body temperature.**
- Heart rate very fast, and increase in blood pressure.
- Rapid eye movement.
- Tremors.
- Inability to sleep.

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**GHB**

**Gamma Hydroxy Butrate**

GHB is a powerful, rapidly acting central nervous system depressant. It is abused to produce euphoric and hallucinogenic states and for its alleged function as a growth hormone that releases agents to stimulate muscle growth.
 gamma hydroxy butrate

Taken orally: 1 gram acts as a relaxant reducing inhibitions. 1-2 grams: Strong feeling of relaxation, slows the heart & respiration. This will interfere with blood circulation, motor control, and balance.

Consequences of Using Prescription Medicine

• Addiction
• Severe illness
• Death
• Coma
• Paralysis
• Legal consequences include arrest, jail, prison, probation

purple drank

legal sizzurp
the virgin drank
Purple Drank

- Recreational drug popular in the hip-hop community.
- Main ingredient is prescription-strength cough syrup containing codeine and promethazine.
- Cough syrup is typically mixed with ingredients such as Sprite soft drink and pieces of Jolly Rancher candy.
- The purplish hue of purple drank comes from dyes in the cough syrup.
- Recently, the term has expanded to cover mixtures including over-the-counter cough syrup
  - Vicks 44: "sippin' on 44's."
  - Robitussin
OXYCONTIN

OxyContin = Oxycodone continuous Release
Time released over 12 hours
Typical opiate effect of sedation, euphoria +
relaxation.
Prescribed to patients with post-operative pain,
severe injuries and arthritis.

Other names associated w/Oxycodone:
Percocet = Oxy w/acetaminophen
Percodan = Oxy w/aspirin
Tylox = Oxy w/Tylenol

ASSOCIATED PARAPHERNALIA!
HS11364
**Rohypnol**

- Rohypnol (pronounced row hip nohl) is a strong sedative which is similar to the drug Valium, but is 10 times stronger.
- Rohypnol is a small white tablet that is single or cross scored on one side and has the word “roche” on the other side.
- Street names are: rophies, rophies, roche, rope, R2, Tripe and Fall, sex tab, and “the score tonight pill”.
- Rohypnol dissolves easily in juice, coffee, sodas, and alcoholic beverages. It is colorless, odorless, and tasteless when dissolved in any liquid.

**Rohypnol**

- **Signs And Symptoms**
  - Causes very quick intoxication
  - Memory loss
  - Difficulty in speaking and walking
  - Disorientation
  - Blackout for up to 10 hrs.
  - Respiratory failure
  - Coma and even death

**Depressant Pills**

- Valium
- Lorazepam
- Librium
- Oxazepam
- Xanax
Inhalants - street name

"huffing"

- What are inhalants?
  - Some of the most lethal drugs are sold right over the counter and easier to obtain than illegal ones.
  - They are in your house, in your kitchen, bathroom, desks, drawers etc.
  - Inhalants are common household and workplace substances that are sniffed or huffed to give the user an immediate head rush or high.

Huffing Inhalants

They include a diverse group of chemicals that are found in consumer products such as:
- aerosols,
- plastic cement,
- fingernail polish remover,
- lighter fluid,
- hair spray,
- insecticides
- cleaning solvents

- Who uses them?
  - According to a recent survey among hospital emergency rooms, and substance abuse services:
  - Nearly 20% of all adolescents report using inhalants at least once in their lives
  - Highest use is among eight graders
Effects of using Inhalants
"even only one time":

- Sudden Death, presumable from cardiac arrest
- Suffocation—Typically seen when used with plastic bags
- Asphyxia—solvent gases, propane, butane, freon, etc. limits oxygen in the air and stops breathing
- Visual hallucinations and severe mood swings
- Numbness and tingling in hands and feet
- Loss of muscle control
- Staggered speech
- Headache, muscle cramps, abdominal pain
- Liver, lung, and/or kidney failure
- Violent behavior
- Involuntary passing urine and feces
- Permanent nervous system damage

HEROIN

- Heroin is a narcotic derivative of the opium poppy plant.
- In its processed state pure heroin is a white powder with a bitter taste.

The most popular form of heroin is known as "black tar". It gets its name because it resembles rooing tar.
HEROIN

The cultivation of Opium and the production of heroin is rapidly becoming the primary business of the Columbia drug cartel or mafia. The poppy (Papaver somniferum) is the source for many opioids; morphine. It was grown in the Mediterranean region as early as 5000 B.C., and has since been cultivated in a number of areas throughout the world.

How does heroin affect the user and what are the symptoms

- Short lived state of euphoria
- Reduced vision - Very constricted pupils
- Drowsiness, followed by sleep (nodding off)
- Nausea and vomiting from impurities, constipation
- Physical and mental addiction
- Dry mouth, lips, thick speech
- Tracks, dirty needles, blood poisoning, hepatitis, AIDS
- Cold limbs - dresses warm, extra clothes, droopy eyelids

KROKODIL

- Krokodil or "crocodile" is DESOMORPHINE,
- Synthetic opiate many time more powerful than heroin.
- It is made by a combination of different chemicals.
- It is a drug for the poor in Russia. It can be
- "Cooked" from codeine-based headache pills and other household ingredients
  - Tropolamid (eye drops)
  - Sulphur from match heads,
  - Gasoline, lighter fluid, etc.
- U.S. has very few cases nationwide.