ALCOHOL☹ ☹ ☹

**Statistics**

* **The drug problem in America!**
* **2/3 of drink**
* **14 are alcoholics**
  + **10 million**
  + **4 million**
* **Leading cause of death for ages & under involved in motor vehicle accidents**
* **84% of students drink**
  + **43% are drinkers**

**Alcohol advertisement budget**

$2 Billion a day ($730 Billion per year)

What is Alcohol?

* **Alcohol** is a substance and considered a drug

Alcohol Chemistry

* E is the active ingredient. It is listed as a Depressant.
* **How is Ethanol made?**
  + From a process called  **-** *the chemical action of in the air and sugar in the fruit or grains*

The Proof Level

* The Proof of a beverage is the of alcohol in the beverage and is a measuring process which indicates the amount of alcohol in a beverage, for example if a beverage has 20 percent alcohol it is considered proof.

Beer

* Beer- made by fermenting barley, corn or rye. Most are alcohol (8 proof). Light Beers have calories but about the same alcohol content.

**Wine**

**Wine- Made by fermenting grapes or other fruits. Most are between percent alcohol (24-28 Proof). Wine are carbonated and range from 1.5-6 percent alcohol.**

**Liquor**

* **Liquor- made by which is a process that uses fermented mixture to get a alcohol content. Most are about alcohol (80 proof).**

ONE DRINK!!!!  
12 oz bottle of : 4.5% alcohol

5 oz. glass of table : 11% alcohol

1.5 oz. of Proof Liquor

Rate of Absorption

* Refers to how quickly alcohol is absorbed from the into the bloodstream and into various of the body.
* Under normal circumstances the can process .25 oz. of alcohol per hour.
* It takes most people 2 to completely process 1 drink

Factors affecting Absorption

* Fatigue
* M
* Stomach Content
* Other drugs consumed
* % of body
* Body
* Body weight
* Gender

EFFECTS OF ALCOHOL

* HEART
  + Arrythmia
    - Heart beat
    - Fatigue, , chest pain
  + CARDIOMYOPATHY
    - Heart is weakened
    - Difficult for your heart to pump

throughout the body

* LIVER
  + Cirrhosis
    - Live tissue is and replaced with useless tissue
    - Liver C
    - Destroys all tissue
* LIVER TRANSPLANT
* COST: $

Blood Alcohol Concentration

When alcohol builds up in the blood stream it affects the brain. (The following BAC effects are approximate. There are many factors that can influence the effect of alcohol for each individual.)

* 0. - Slight change of feelings, relaxation and euphoria. Decreased alertness and can take 2-3 hours to metabolize
* 0. - Exaggerated feelings and behaviors, reduce social inhibitions, impairment to reaction time and can take 3-6 hours to metabolize
* 0. - Staggering gait, slurred speech, pain and other sensory perceptions greatly impaired and can take 10-24 hours to metabolize
* Over Stupor or unconsciousness. Death possible at 0.35% and above. Takes more than 24 hours to metabolize