Study Guide: Exam 1

Chapter 1: Lectures 1 and 2

Five historical Themes of Drug Use

Be able to recognize the main historical points of the following drugs:
- Alcohol
- Opium
- Cannabis
- Psychedelic Drugs
- Inhalants
- Tobacco
- Cocaine
- Caffeine
- Amphetamines and Barbiturates

When given the main characteristics, make sure you can identify which class of drugs is being talked about
- Uppers
- Downers
- All-Arounders
- Inhalants
- Sports Drugs

Chapter 2: Lecture 3

Know the basics about (speed, how it happens, how much of the drug gets through):
- Inhaling
- Injecting
- Mucous membrane absorption
- Contact absorption
- Ingesting

Be familiar with the following
- Bioavailability
- Fat-soluble vs water-soluble
- Blood brain barrier
- Excretion
- Metabolism

Be able to discuss the following about the Nervous system (what areas are included and what are their basic functions)
- Peripheral Nervous System vs Central Nervous System
- Old brain vs New brain
- More vs Stop pathways
What happens at the synapse
  Down regulation vs Up regulation
  Agonist vs Antagonist

Five mechanisms for drug action

Tolerance in general
  8 different types of tolerance

Tissue dependence
Withdrawal in general
  3 different types of withdrawal

Theories and Models of Addiction