

**PsychSim 5: YOUR MIND ON DRUGS**

Name: \_\_\_\_\_ Section: \_\_\_\_\_

Date: \_\_\_\_\_

In this activity you will explore the behavioral effects of some common drugs that influence the brain—producing changes in our arousal level, our mood, our perception of our environment, and our actions.

**How Do Psychoactive Drugs Work?**

- What are the main ways drugs get into our bloodstream? What are the three phases of drug effects?

**Drugs and Neurotransmitters**

- How are psychoactive drugs categorized? Name one example of a drug in each of the three main categories.
  
- Explain the difference between drug agonists and drug antagonists.

**Drug Tolerance**

- What is drug tolerance? What are the two reasons for the development of tolerance?

**Addiction Experiment**

- After experimenting with the injection of various solutions into specific areas of a rat's brain and observing the subsequent bar-pressing behavior, what conclusions did you draw from the rat's behavior? What type of injection seemed to be more pleasurable for the rat? Did the location of the injection make a difference?

**PsychSim 5: EEG AND SLEEP STAGES**

Name: \_\_\_\_\_

Section: \_\_\_\_\_

Date: \_\_\_\_\_

This activity provides an explanation of the measurement of brain activity, as well as the presence of different sleep patterns and their respective functions.

**EEG**

- How is the brain's electrical activity recorded?

**Stages of Sleep**

Complete the following table:

	Characteristic	EEG Pattern
Stage 1		
Stage 2		
Stage 3		
Stage 4		
REM Sleep		

**Sleep Thoughts vs. True Dreams**

- If people have vivid, realistic dreams during REM sleep, why don't they act out those dreams, perhaps injuring themselves or others?

**Purpose of Sleep**

- What are the two main purposes of sleep?

