

# Mouse Party

## Abstract

An optional worksheet to use in conjunction with the interactive online activity of the same title located in *The New Science of Addiction: Genetics and the Brain* module on our website ([url above](http://gslc.genetics.utah.edu)). Students analyze lab mice to view the molecular mechanisms by which various drugs disrupt the synapse.

## Learning Objectives

- ▶ Drugs disrupt the natural action of neurotransmitters at the synapse.
- ▶ Each drug has a different way of disrupting the synapse.

## Logistics

### Time Required

▶ **Class Time:**  
50 minutes

▶ **Prep Time:**  
10 minutes

### Materials

Student handouts, computers with internet access

### Prior Knowledge Needed

Synapse, neurotransmitters

### Appropriate For:

Primary    Intermediate    Secondary    College

## Credits

Molly Malone, Genetic Science Learning Center  
Pete Anderson, Genetic Science Learning Center (illustrations)

## Funding

Funding for this module was provided by a Science Education Drug Abuse Partnership Award (SEDAPA) from the National Institute on Drug Abuse, a component of the National Institutes of Health, Department of Health and Human Services.

Name

Date