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In this activity you will analyze several lab mice that have been exposed to a variety of drugs. Each drug affects different neurotransmitters at the synapse in different ways. You will record your findings in the data table.

Go to: <a href="http://learn.genetics.utah.edu/content/addiction/mouse/">http://learn.genetics.utah.edu/content/addiction/mouse/</a> or <a href="https://bit.ly/1hnH99v">https://bit.ly/1hnH99v</a>

Click **Play** and then follow the online directions to evaluate 2 different drugs.

Drug Neurotransmitter Involved		Excitatory or Inhibitory Action	Effects of Drug on Mouse (symptoms)	
	①	①	①	
	1	①	1	

## **Analysis Questions:**

1.	Pick ONE of the drugs: BRIEFLY	explain/show h	ow the drug affe	ects the synapse &	k nerve transn	nission in
	your own words. 4					

2. What are 3 points in the neurotransmission pathway that can be affected by drugs of abuse. ③

3. How are the mechanisms of different drugs of abuse alike? How are they different? ②