

Quiz Answers

Virtual Cocaine Lab

<http://www.mind.ilstu.edu>



**THE MIND
PROJECT**

After students complete their observations in the experimental area of the Virtual Cocaine Lab, they answer questions using the notes they wrote in their lab notebooks. Here are the answers to the 14 quiz questions. Note, for the first question there are two correct answers.

1/14: appetitive & consummatory

2/14: Dopamine is involved in cocaine-seeking behavior

3/14: Dopamine levels will increase before the rat presses the bar

4/14: 1 ml/kg

5/14: It is the conduit through which cocaine is being administered

6/14: fast-scan cyclic voltometry

7/14: heart rate

8/14: The data monitor displayed 30 seconds of data

9/14: This dopamine increased was caused by the cocaine reward being anticipated

10/14: There was no increase in dopamine levels during the appetitive phase

11/14: Dopamine plays a role in the consummatory phase

12/14: Because the rat approaches the bar, which is associated with receiving cocaine.

13/14: Addicts who spend time in activities and locations associated with past cocaine seeking, anticipate cocaine reward

14/14: all of the above