

PsychSim 5: CLASSICAL CONDITIONING

Name: _____ Section: _____

Date: _____

This activity provides a review of Pavlov's famous experiment on the salivary response in dogs, as well as the basic processes of classical conditioning: acquisition, generalization, discrimination training, and extinction.

Salivary Response

- In Pavlov's famous experiment, what did he call the...
 - o unconditioned stimulus (UCS)? _____
 - o unconditioned response (UCR)? _____
 - o conditioned stimulus (CS)? _____
 - o conditioned response (CR)? _____

A New Salivary Response

- Pavlov demonstrated that the dog had formed a conditioned association between two events. What were those events? What did the dog actually learn?

Acquisition

- In the example of a child who fears doctors, what label would you give to the painful injection?

_____ UCS _____ UCR _____ CS _____ CR

- In the example of a child who fears doctors, what label would you give to the presence of the doctor?

_____ UCS _____ UCR _____ CS _____ CR

Demonstrating Acquisition

- How could we demonstrate that acquisition had occurred—that is, demonstrate that the child had learned the link between the doctor and the injection?

Extinction

- What is extinction?

- What is spontaneous recovery?

Generalization

- What is generalization?

Discrimination

- What is discrimination?

Conditioning an Eye Blink

- What is the CR in this example? _____
- What is the CS in this example? _____
- What is the UCS in this example? _____
- What is the UCR in this example? _____

Experiment Simulation

- Why are we interested only in the blinks that occur before the puff of air?

Discrimination Trials

- How would you interpret these graphs? Did your subject show evidence of stimulus generalization, or stimulus discrimination, or both?

Extinction Trials

- How would you interpret these results? Has the conditioned response been extinguished in your subject? What would happen if we continued immediately with more trials? What would happen if we brought her back to the laboratory tomorrow for more trials?