

Classical Conditioning and your Rat

Part 1

1. Students Names: (work in groups of two)

2. Please note that each student is responsible to hand in a completed assignment page.
3. Things I _____ (your name) will do in order to properly care for _____ (rat's name). (1)
4. List of things I need to do to care for my rat.

_____ (4)

5. List of things that I should avoid doing in order to best care for my Rat.

_____ (2)

6. You will now work with food to get your rat to associate food with a clicking sound. In other words when the rat hears a click they will be expecting food. This process is known as?

_____ and was accidentally discovered by? _____ (2)

7. The food you give your Rat is considered a _____ stimulus. (1)

8. The clicking sound will become the _____ stimulus once association with the food occurs. (1)

9. When presented with food the rat moves toward it this is a _____ response. (1)

10. When the Rat moves toward the sound of a clicking noise because the rat has learned to associate the sound with food such movement is a _____ response. (1)

11. Prior to associating the clicking sound with food the Rat gave no response, this is because the sound was a _____ stimulus. (1)

12. So your Rat now comes at the clicking sound you make but does not come when you make a "clucking" sound the rat has learned the difference between two sounds and recognizes that one is associated with food and the other is not this is called _____. (1)

Part 2 – Using Power point, Google slides, or Presi make a presentation that includes video clips with you and your Rat in which you...

1. Tell us its name.
2. Demonstrate that a clicking noise causes no response. (Before conditioning) (2)
3. Demonstrate that food is an unconditioned stimulus stimulus. (2)
4. Demonstrate the conditioning process used to help the Rat build an association between food and your clicking sound. (2)
5. Demonstrate how the Rat now responds to the clicking sound as proof that it has learned to associate the sound with food, a relatively permanent change in its behavior. (2)
6. Include verbal or written comments - things you have learned in the process of classically conditioning your rat. (7)
**If you have missed filming one of the above steps you may include a slide of written explanation.

Classical Conditioning - Part Two Total /15