

Quiz 1 – Chapters 4

Name:

1. In a classical conditioning experiment in which a tone is paired with meat in the mouth, a dog comes to salivate to the sound of the tone. The tone is called the.....
 - a) conditioned stimulus
 - b) unconditioned stimulus
 - c) stimulus generalization
 - d) reinforcer

2. Pre-synaptic facilitation and long-term potentiation
 - a) have been demonstrated only in the marine mollusk, Aplysia
 - b) involve changes in sensitivity of the pre-synaptic neuron
 - c) do not show activity dependence
 - d) produce a net increase in sensitivity by acting at different sites
 - e) a and b

3. Kohler suggested that a way to distinguish insightful from trial and error learning is that only insightful learning would
 - a) generalize
 - b) show transfer of training
 - c) be arbitrary
 - d) be accomplished by apes
 - e) show belongingness

4. Which of the following instances of human learning most clearly represents arbitrary, as opposed to biologically specialized or prepared learning?
 - a) acquisition of grammar
 - b) learning to catch a ball
 - c) learning the rules of chess
 - d) learning to judge distance
 - e) a and d

5. Growth of dendritic spines differs from pre-synaptic facilitation of long term potentiation in that
 - a) it is the only change that really explains learning
 - b) it has nothing to do with the synapse
 - c) it is a structural change
 - d) it is not activity dependent
 - e) all of the above

Extra Credit

What is learned helplessness? Tell me in approximately 2 sentences.