



# Multiple Choice Answer Key & Explanations

## Learning

1. Which of the following answers would explain the following situation the best? Whenever you see lightning in the sky you cover your ears as you wait to hear the loud sound of thunder that you know will soon come.	
<b>A. You have developed an association between lightning and thunder</b>	<b>This is the correct answer. An association is when an individual connects items or experiences together because of the order in which they are experienced</b>
B. You have been impacted by negative punishment	This is not the correct answer. This is when a positive stimulus is removed and the result is a decrease in an undesirable behavior
C. Your reaction is due to a variable-ratio schedule	This is not the correct answer. This is when reinforcements are given at what appears to be random amounts of responses
D. You are experiencing a high internal locus of control	This is not the correct answer. This is when an individual believes that a situation or things are inside their control
E. Higher-order conditioning has occurred	This is not the correct answer. This is when a NS becomes the new CS, without the UCS being present

2. Scott teaches psychology at the local university. He has received several complaints from students about him using a chalkboard during class for notes. His students complain that they can not stand the sound and flinch every time they hear him write on the board. Scott dismisses their complaints, but notices that his students start to flinch when he tells them it's time to take notes during class. Based on the scenario, the word notes is the...	
A. Negative reinforcer	This is not the correct answer. This is when a undesirable stimulus is removed, which has the result of promoting a behavior
B. Unconditioned response	This is not the correct answer. This is a response or reflex that naturally occurs from a person
C. Conditioned response	This is not the correct answer. This is a reflex or response to a conditioned stimulus that was learned by conditioning and doesn't occur naturally
D. Unconditioned stimulus	This is not the correct answer. This is an event, stimulus, or situation that naturally triggers a response from a person
<b>E. Conditioned stimulus</b>	<b>This is the correct answer. When the word notes have been paired with the sound of the chalkboard. At first the word notes did not cause the students to flinch, however, it now does</b>



# Multiple Choice Answer Key & Explanations

## Learning

---

3. Alex is trying to figure out how to boost her employees productivity for a short amount of time. She decides to offer 100 dollars to each employee everytime they pick up two extra shifts. In this scenario Alex is using which of the following reinforcement schedules?

A. Fixed-ratio schedule	<b>This is the correct answer. This is when reinforcements are given after a set amount of responses</b>
B. Fixed-interval schedule	This is not the correct answer. This is when reinforcements are given after a set amount of time
C. Variable-ratio schedule	This is not the correct answer. This is when reinforcements are given at random amounts of responses
D. Variable-interval schedule	This is not the correct answer. This is when reinforcements are given after a random amount of time
E. None of the above	This is not the correct answer. The correct answer is fixed-ratio schedule

4. Tim recently started swearing in front of his parents. His parents do not approve of this new behavior and decide to take away two hours of video games every time Tim swears at home. After four days of this new rule being put into place Tim has stopped swearing at home. Which of the following answers is being used in this scenario?

A. Positive punishment	This is not the correct answer. This is when an unpleasant stimulus is added and the result is a decrease in the undesirable behavior
<b>B. Negative punishment</b>	<b>This is the correct answer. Tim is losing a positive stimulus which decreases his undesirable behavior</b>
C. Positive reinforcement	This is not the correct answer. This is when a desirable stimulus is added, which increases the desirable behavior
D. Negative reinforcement	This is not the correct answer. This is when a undesirable stimulus is removed, which increases the desirable behavior
E. Association	This is not the correct answer. An association is when an individual connects items or experiences together because of the order in which they are experienced



# Multiple Choice Answer Key & Explanations

## Learning

---

5. Which of the following would be an example of higher-order conditioning?	
A. Conditioning a dog to salivate when it hears a bell	This is not the correct answer. This is known as acquisition and it is when an US and a NS are paired together in order to attempt a learning of a conditioned response
B. This is when a CS is used without the unconditioned stimulus	This is not the correct answer. If the CS is used alone for too long it is most likely that extinction will occur
C. Nick is looking at different pictures on instagram and experiences no response from the photos	This is not the correct answer. This would be an example of a neutral stimulus
D. Sarah hears the warning bell for the start of class and quickly runs to class to avoid getting yelled at for being tardy	This is not the correct answer. In this example the bell has become the CS
<b>E. John's brother associates candy with the sound of a chime. John then paired the chime with a yellow light. Now when his brother sees a yellow light he expects to get candy</b>	<b>This is the correct answer. Higher-order conditioning is when an original CS is associated with a new NS without the original UCS.</b>

6. Kate is trying to reduce the amount of stress she feels at school by not doing her homework and focusing on her own emotional needs. Kate is most likely using...	
A. Problem-focused coping	This is not the correct answer. This is when an individual tries to reduce or eliminate a stressor by changing the stressor
<b>B. Emotion-Focused coping</b>	<b>This is the correct answer. This is when an individual tries to eliminate or reduce stress by ignoring or avoiding the stressor</b>
C. External locus of control	This is not the correct answer. This is when there are different outside factors that impact a person and could determine their fate
D. Instinctive drift	This is not the correct answer. This is when animals that learn behaviors by reinforcement will revert back to certain biological patterns that they are predisposed to
E. Extrinsic motivation	This is not the correct answer. This is when an individual is motivated by external rewards



# Multiple Choice Answer Key & Explanations

## Learning

---

7. Which of the following best describes the Skinner box?	
<b>A. A rat was placed in a box and given food when the rat moved towards a lever. Eventually the rat was only given food when it pushed down on the lever.</b>	<b>This is the correct answer. Skinner used a process known as shaping to condition the rat to push the lever to receive a food pellet. (Operant Conditioning)</b>
B. A rat was placed in a maze and given food when it reached the end of the maze. At a later date the rat would be put back in the maze to see if it could finish the maze faster	This is not the correct answer. This experiment was done by Edward Chase Tolman who discovered that rats created a mental map of the environment
C. A rat was placed in a box and given food every time a bell was rang. Eventually the rat would salivate once a bell was rang, even when there was not food	This is not the correct answer. This experiment was done with a dog by Ivon Pavlov. (Classical conditioning)
D. A rat is placed in a maze without an exit. The research observes how long the rat will continue to look for an exit before giving up	This is not the correct answer. This is a made up example
E. Two rats are exposed to two different stimuli. The first rat watches another rat attack a toy, while the other rat watches a rat sleep on the toy. The result is the rat that saw the violent stimulus attacked the toy	This is not the correct answer. This experiment was done with children and tv. The experiment was conducted by Albert Bandura

8. Genetic predispositions, adaptive responses, and neural mirroring would be examples of _____ influences on learning	
A. Psychological	This is not the correct answer. This approach would focus on previous experiences, generalizations, expectations, or associations
B. Social-cultural	This is not the correct answer. This approach would focus on culture, motivations, family, friends, or peer groups
C. Nurture	This is not the correct answer. This would include environmental influences not biological ones
D. Cognitive	This is not the correct answer. This approach focuses on how an individual processes and remembers information
<b>E. Biological</b>	<b>This is the correct answer. This looks at how different biological components impact the ability of a person to learn</b>



# Multiple Choice Answer Key & Explanations

## Learning

---

9. Which of the following individuals discovered latent learning?	
A. B.F. Skinner	This is not the correct answer. He focused on how behavior becomes more likely to occur when reinforced. Known for operant conditioning
B. Ivan Pavlov	This is not the correct answer. He conducted an experiment with dogs and saliva. Known for classical conditioning
<b>C. Edward Tolman</b>	<b>This is the correct answer. He conducted an experiment with rats and mazes</b>
D. Albert Bandura	This is not the correct answer. He conducted an experiment focused on observational learning
E. John Garcia	This is not the correct answer. He looked at how certain associations are more readily made available compared to others. Known for taste aversion

10. Slot machines are effective at getting a person to keep playing because they use a _____	
A. Fixed-ratio schedule	This is not the correct answer. This is when reinforcements are given after a set amount of responses
B. Fixed-interval schedule	This is not the correct answer. This is when reinforcements are given after a set amount of time
<b>C. Variable-ratio schedule</b>	<b>This is the correct answer. This is when reinforcements are given at random amounts of responses</b>
D. Variable-interval schedule	This is not the correct answer. This is when reinforcements are given after a random amount of time
E. None of the above	This is not the correct answer. The correct answer is variable-ratio schedule