

How do we Learn?

Module 17: Classical Conditioning

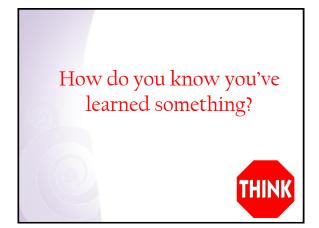


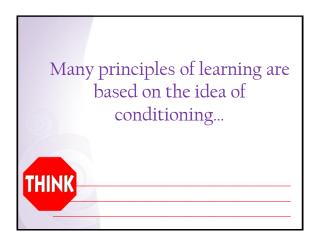
Class Objectives:

What is learning?What is Classical Conditioning?

What is Learning?

- Learning anything new involves change. Psychologists agree that most behaviors are learned.
- <u>Learning</u> is a ______
 - The process by which we acquire new knowledge

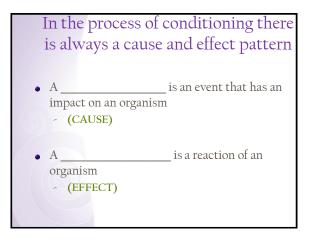


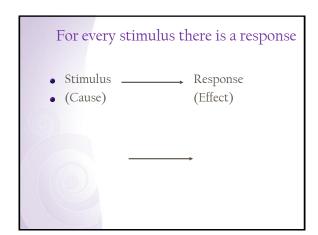


Conditioning

- Conditioning is just another word for



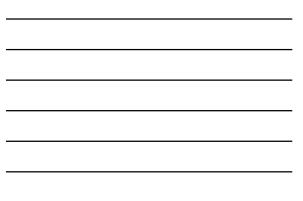




We are all *conditioned* in some way

- Conditioned behaviors appear so automatically that they look like _____
 - Conditioned behaviors are similar to reflexes because they ______





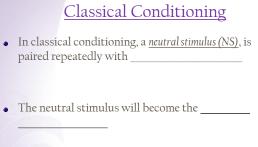
Classical Conditioning

- Classical conditioning is one of the simplest forms of learning.
 - Ivan Pavlov
- Pavlov's research was simple-

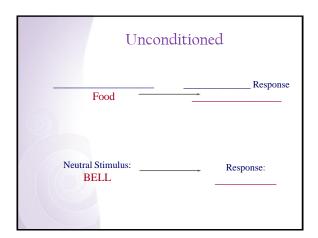
Conditioning is synonymous with learning

- Pavlov called a stimulus that elicits a response without conditioning an _____
- The unconditioned stimulus *naturally* produces an

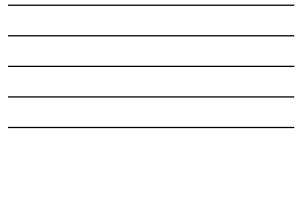




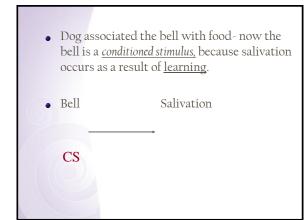












Classical Conditioning

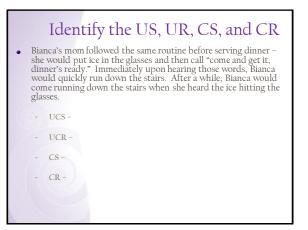
- A conditioned stimulus (CS) will **always** produce a <u>Conditioned Response</u> (CR).
- For <u>example</u>- the salivation is a learned response to the sound of the bell.

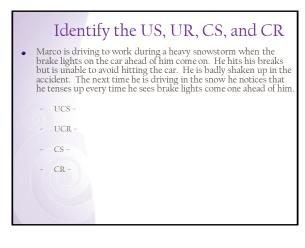


Did you get it? Test your understanding about conditioning!

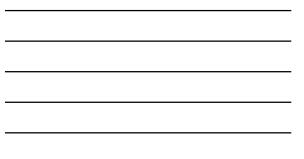
Identify the US, UR, CS and CR for each of the following examples.

	Identify the US, UR, CS, and CR
 Alexander is four years old. One night his parents decided to light a fire in the family room fireplace. A burning ember jumped out of the fireplace and landed on Alexander's leg, creating a nasty burn. He cried because the burn hurt. A week later, when Alexander's parents started to light another fire in the fireplace, Alexander began to cry. 	
6.	UCS -
	UCR -
-	CS - CR -
-	CR -

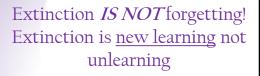






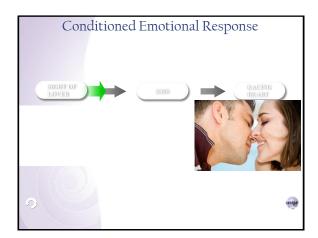


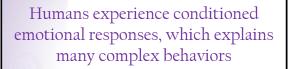
The dog would <u>learn</u> to not salivate! Present the conditioned stimulus repeatedly without the unconditioned stimulus









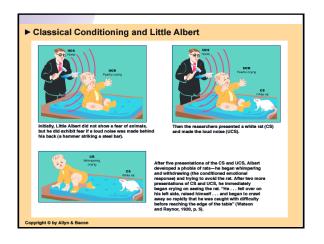


Likes, dislikes, prejudices and fears

Human Conditioning

- Watson and Rayner (1920) conditioned an 11-month-old infant named Albert –this became known as the
- Through the process of Classical Conditioning Baby
 - This experiment is now considered







More Classical Conditioning

occurs when the conditioned response transfers or "spreads" to a new stimuli.

- Example-____

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- In stimulus discrimination, an organism learns to
 - Example-Different bell tones (Pavlov)

The Garcia Effect

- The <u>Garcia effect</u> is an example of classical conditioning in everyday life.
 - John Garcia (Garcia & Koelling, 1971) gave animals specific foods or drinks. He then induced nausea in the animals. The animals quickly avoided the foods that preceded the nausea
- Many people who have experienced food poisoning can relate to this <u>stimulus discrimination</u>!

What's Next?

- Can we learn any other way?
 - Operant conditioning and Social Learning