

Habituation in Daily Life: CAT Scan Disaster LA Times Headline, Oct 14 2009 Cedars-Sinai investigated for significant radiation overdoses of 206 patients The dosage -- eight times the programmed amount -- appeared on technicians' screens during CT scans. Doctors also missed the problem. Experts say blind trust of medical machinery is a growing concern.

Habituation in Daily Life: Food Consumption

- When people eat the same food during a meal, they begin to respond less to the food. Why?
 - □ Become satiated ("full")
 - □ Become habituated to the motivating properties of the food
- Providing variety in a meal increases the amount that is consumed in a meal
- Increased food variety may be a contributing factor to the increase in childhood obesity



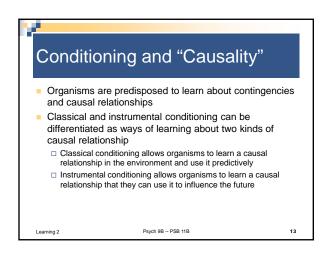
Consider these two statements

- In classical conditioning the schedule of rewards is pre-determined and nothing the animal can do will change it.
- Instrumental conditioning involves the creation of new voluntary behaviors.

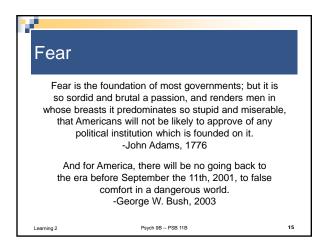
Choose one

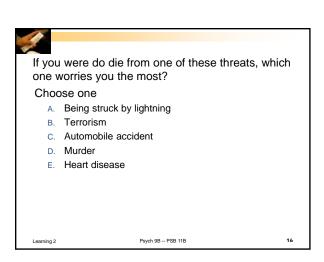
- A. Both statements are true
- B. Statement 1 is true but 2 is false
- C. Statement 2 is true but 1 is false
- D. Both statements are false

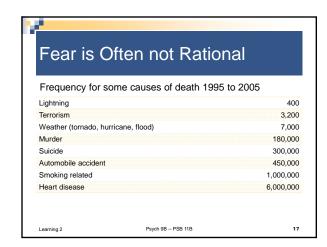
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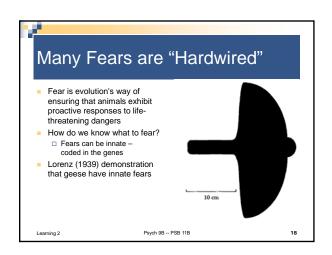






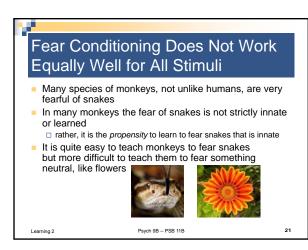


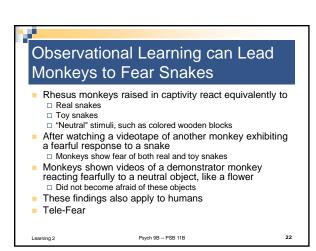


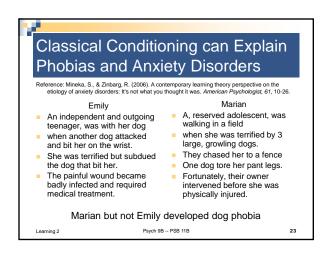


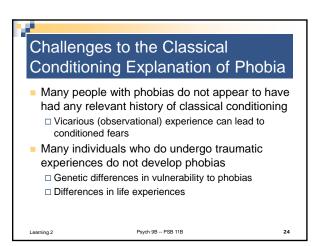
Fear Conditioning - Although a useful evolutionary adaptation, genetically encoded fears are inflexible - Change is on an evolutionary time scale - Learning through classical conditioning provides a more flexible mechanism - Fear conditioning











Learning Differences: Prior Learning

- Latent inhibition
 - □ Exposure to a *potential* CS before it and the US are paired reduces the amount of subsequent conditioning if they are paired

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History of control over the environment

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Learning Differences: Control During a Traumatic Event

 Having control during a traumatic event (such as being able to escape it)

can have a major impact on how much fear is conditioned to CSs paired with that trauma

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Learning Differences: Post-Event Experiences

- Inflation effect
 - Arousal, even *after* a fear-conditioning event, can increase fearful CRs associated with the CS
- US revaluation
 - □ Receiving information that the US can be more dangerous than it was perceived to be when it was originally experienced can result in an inflated level of fear to the CS
 - Mental rehearsal

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Summary: Nuances in the Classical Conditioning Explanation for Phobias

- Vicarious as well as actual experiences may be important
- People differ in their genetic susceptibility to phobias
- Susceptibility depends on life experiences
 - □ Prior Latent inhibition / history or mastery
 - □ During Sense of control during an incident
 □ Afterwards Inflation effect / US revaluation

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