

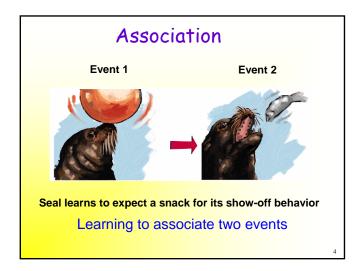
Learning

- 1. Behaviorism
 - Promoted by John B. Watson
 - View that psychology...
 - should be an objective science
 - study behavior not mental processes

2

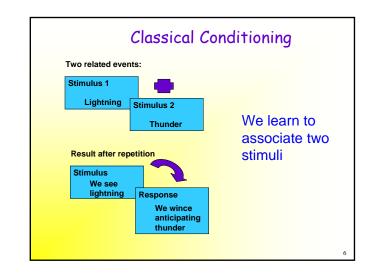
Learning Defined

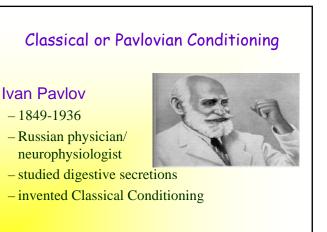
- 1. Learning
 - relatively permanent change in an behavior due to experience
- 2. Associative Learning
 - learning that two events occur together
 - either two stimuli
 - or a response and its consequences

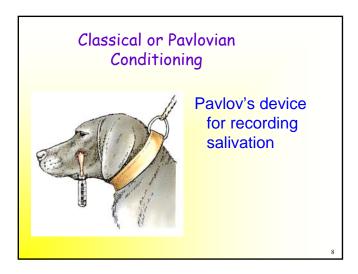


Two Kinds of Associative Learning

- 1. Classical Conditioning
- 2. Operant Conditioning

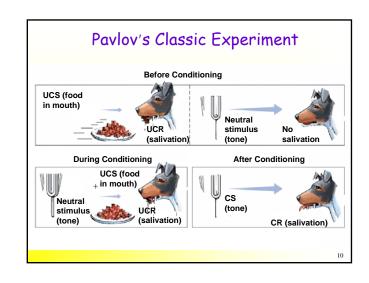


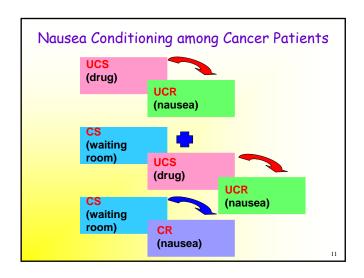


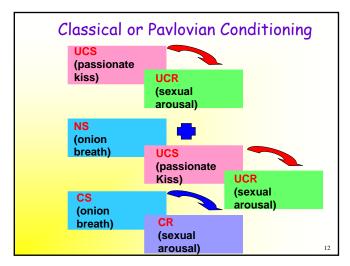


Classical or Pavlovian Conditioning organism reacts to stimulus with a reflex e.g., loud noise → flinch (reflex) then, a neutral stimulus is paired with a stimulus that evokes the reflex e.g., lift podium → loud noise → flinch organism associates two stimuli examples: lift podium and noise; lightning and thunder; tone and food, sound and stop neutral stimulus eventually comes to

evoke the reflex (lift podium, flinch)







Classical or Pavlovian Conditioning

1. Unconditioned Stimulus (UCS)

-stimulus that automatically triggers a response

2. Unconditioned Response (UCR)

- unlearned, automatic response to the unconditioned stimulus
 - salivation when food is in the mouth

Classical or Pavlovian Conditioning

1. Conditioned Stimulus (CS)

 an originally neutral stimulus that becomes associated with an UCS and therefore triggers a conditioned response

2. Conditioned Response (CR)

 learned response to a previously neutral conditioned stimulus

1.4

Classical or Pavlovian Conditioning

1. Acquisition

 the initial stage of learning, during which a response is established and gradually strengthened

15

Classical or Pavlovian Conditioning

Extinction

- diminishing a conditioned response
- occurs when an unconditioned stimulus does not follow a conditioned stimulus

16

Classical or Pavlovian Conditioning

1. Spontaneous recovery

reappearance, after a rest period, of an extinguished conditioned response

2. Generalization

 tendency for stimuli similar to the conditioned stimulus to evoke similar responses Little Albert's Fear Conditioning UCS (loud noise) **UCR** (fear) NS (rat) UCS (loud noise) UCR (fear) (rat) CR (fear) Stimulus similar to rat (such as rabbit) Conditioned fear (generalization)

Classical or Pavlovian Conditioning

Discrimination

 the ability to distinguish between a conditioned stimulus and other similar stimuli that do not signal an unconditioned stimulus Summary

9

Classical Conditioning:

- 1. BEFORE Conditioning:
- 2. NS
- 3. UCS → UCR
- 4. Conditioning:
- 5. **NS**
- 6. UCS → UCR
- 7. AFTER Conditioning:
- 8. CS → CR

Operant Conditioning:

Behavior — Consequence (???) (???)

22

