

## *Chapter 6*

# LEARNING

Section 1: Classical Conditioning

Section 2: Operant Conditioning

Section 3: Cognitive Factors in Learning

Section 4: The PQ4R Method: Learning to Learn

Question: What are the principles of classical conditioning?

### PRINCIPLES OF CLASSICAL CONDITIONING

- Simple form of learning in which one stimulus calls forth the response that is usually called forth by another stimulus
- This occurs when the two stimuli have been associated with each other

Question: What are the principles of classical conditioning?

## IMPORTANT TERMS

Terms that are important in understanding classical conditioning:

- *Unconditioned stimulus (US)* – a stimulus that causes a response that is automatic, not learned
- *Unconditioned response (UR)* – the response that is automatic, not learned

Question: What are the principles of classical conditioning?

### IMPORTANT TERMS *(continued)*

- *Conditioned Response (CR)* – a learned response to a stimulus that was previously neutral or meaningless
- *Conditioned Stimulus (CS)* – a previously neutral stimulus that, because of pairing with an unconditioned stimulus, now causes a conditioned response

Question: How are the principles of operant conditioning applied?

## APPLICATION OF THE PRINCIPLES OF OPERANT CONDITIONING

- Offering of rewards – being positively reinforced
- Shaping – a way of teaching complex behaviors in which one first reinforces small steps in the right direction

Question: How are the principles of operant conditioning applied?

## APPLICATION OF THE PRINCIPLES OF OPERANT CONDITIONING *(continued)*

- Programmed Learning – assumes that any task can be broken down into small steps that can be shaped individually and combined to form the more complicated whole
- Classroom discipline – using principles of learning to change classroom behavior

Question: What are the cognitive factors in learning?

## COGNITIVE FACTORS IN LEARNING

- Latent learning – learning that remains hidden until it is needed
- Observational learning – acquiring knowledge and skills by observing and imitating others

Question: What are the steps of the PQ4R method of learning?

### STEPS OF THE PQ4R METHOD OF LEARNING

- *PREVIEW* – getting a general picture of what is covered before reading a chapter
- *QUESTION* – something in particular that we want to learn
- *READ* – reading the material with the purpose of finding answers
- *REFLECT* – an important way to understand and remember the material read



Question:

What are the key factors of classical conditioning?

