AP Psychology Ch. 3 Sensation & Perception: Intro

1. Sensation
2. Perception
3. Major Senses
4. Sensory Receptors
5. Sensation: Transduction

6. Sensation: Absolute Threshold

 Example:

7. Sensation: Difference Threshold

 Weber’s Law:

8. Sensory Adaptation

 Dark Adaptation

 Light Adaptation

 Smell Adaptation

9. Subliminal Perception

10. Mere Exposure Effect

AP Psychology Ch. 3 Sensation & Perception: Hearing

A. What We Hear

1. Sound Waves

2. Characteristics of Sound Waves

 a. Frequency

b. Amplitude

c. Timbre

B. How We Hear

1. Outer Ear

2. Middle Ear

3. Inner Ear

4. Transduction

5. The Path of Sound

a. Eardrum

b. Hammer, Anvil, Stirrup

c. Oval Window

d. Cochlea

e. Basilar Membrane

f. Organ of Corti

g. Auditory Nerve

C. Distinguishing Pitch

1. Frequency Theory

 a. volley principle

2. Place Theory

D. Hearing Disorders: Remedies

1. Hammer, Anvil, Stirrup

2. Cochlea

a. Cochlear Implant

3. Auditory Nerve

4. Organ of Corti

AP Psychology Ch. 3 Sensation & Perception: The Other Senses

1. Olfaction (Smell)

 a. Pheromones

 b. Olfactory receptor cells

 c. Olfactory nerve

 d. Olfactory bulb

 e. Olfactory tract

 f. Neural pathways to

 g. Loss of olfactory function

 h. Anosmia

2. Gustation (Taste)

 a. Taste buds

 b. Five Basic Tastes

 c. Thalamus

 d. 10 Days

3. Cutaneous Sensations (Skin)

 a. Largest & Heaviest

 b. Skin Sensations

 c. Touch

 1) Pacinian corpuscle

 d. Pain

 1) Nociceptors

 2) A-delta fibers

 3) C fibers & substance P

 4) Gate Control Theory

 5) Mood & Pain

 6) Endorphins & Enkephalins

 7) Sensitization

 8) Phantom limb pain

4. Kinesthetic Sense

 a. Sense of

 b. Proprioceptors

5. Vestibular Sense

 a. Sense of

 b. Semicircular Canals & Vestibular Sacs

 c. Motion Sickness

AP Psychology Ch. 3 Sensation & Perception: Perception

1. ESP

 a.

 b.

 c.

 d.

2. Ganzfeld Technique

3. Bottom-up Processing

4. Top-down Processing

5. Figure-Ground

6. Law of Pragnanz

7. Gestalt Principles of Organization

8. Depth Perception (Distance): Monocular & Binocular

 a. Monocular Cues

 b. Binocular Cues

 1) Convergence

 2) Retinal Disparity

9. Perceptual Constancies

10. Apparent Motion

 a. Induced Motion

 b. Stroboscopic Motion

11. Perceptual Illusions

 a. Muller-Lyer

 b. Moon illusion

 c. Perceptual Set

 d. Ambiguous stimuli