Sensation Packet 4 A AP Psych0

1. Sensory System:

Step by step……..

A: Accessory Structure:

B: Transduction:

(coding)

C: Happens through Sensory Receptors:

D: Nerves send Message to Brain:

E: Brain Receives in thalamus then brain makes sense of the message PERCEPTION

Page 110 Blue Book: Summarize the Linkage between Biological Aspects and Sensation:

Sound has physical as well as psychological Dimensions:

Physical: Psychological: :

Amplitude: Loudness:

Frequency: Pitch:

Wavelength: Timbre (tamber):

Examples from class:

How does sound get in??

The Ear:

Auditory Acessory Structure:

Vibration:

Pinna:

Middle Ear:

Cochlea:

Basilar Membrane:

Auditory Nerve

Flowchart: Complete using diagram on page 114 and as a guide

Vibration 🡪 PINNA \_\_\_\_ \_\_\_\_\_\_\_\_\_🡪 \_\_\_\_\_\_\_\_\_\_\_\_\_\_ 🡪Incus 🡪 Semicircular Canals 🡪 Cochlea 🡪 \_\_\_\_\_\_\_\_\_\_\_ 🡪 Thalamus -🡪\_\_\_\_\_\_\_\_\_\_\_\_

What causes deafness?

Place Theory:

Frequency-Matching Theory:

Vision:

See Visible Spectrum on page 119. Light is broken into visible light waves. At Ultraviolet levels waves move slow at Infrared waves move fast.

Light:

Eyes: Accessory Structure for vision:

Cornea:

Pupil:

Lens:

Iris:

Retina:

(fovea)

Ganglion Cells:

Optic Nerve:

Vision Transduction:

Photoreceptors:

Rods:

Cones: C C C

Photopigments:

Class Demonstration Cones 1:

Class Demonstration Cones 2:

Color Vision Trichromatic Theory

Opponent Process Theory