

Name: \_\_\_\_\_

Date: \_\_\_\_\_

### **Biology Worksheet**

#### **Senses - Answer Sheet**

(Chapter 35, Section 4, pp. 906-909)

#### **What are the five senses in humans?**

Taste  
Touch  
Hearing  
Seeing  
Smelling

#### **What are sensory receptors? Name the five general categories.**

Neurons that react to a specific stimulus such as light or sound by sending impulses to other neurons and eventually to the CNS

Five general categories

- Pain receptors
- Thermoreceptors
- Mechanoreceptors
- Chemoreceptors
- photoreceptors

#### **What are the main structures of the eye?**

Retina – inner layer of eye that contains photoreceptors

Choroid – middle layer of eye that is rich in blood vessels

Sclera – outer layer of eye that maintains its shape. Serves as point of attachment for muscles that move the eye.

#### **How does vision work?**

Light enters the eye through the cornea which helps to focus the light. The lens which is behind the pupil and the iris helps to adjust eye's focus on near or far objects.

Photoreceptors in the retina send nerve impulses to the CNS. These impulses leave via the optic nerve. The brain receives these messages and interprets them as visual images.

#### **What is the role of the ear?**

Hearing and balance