

**Observing the Environment:**

1. What is the major purpose for senses in animals?
2. What are the noted sense organs of the following animals?
  - a. Planarian
  - b. Earthworm
  - c. Cricket
  - d. Snake

**Human Sense Organs:**

1. Eyes detect?
2. Nose and tongue detect?
3. Ears detect?
4. Skin detects?
5. Parts of the eye: Describe each:

| Eye Layers | Structure      | Description |
|------------|----------------|-------------|
| Outer Eye  | Sclera         |             |
|            | Cornea         |             |
|            |                |             |
| Middle Eye | Iris           |             |
|            | Pupil          |             |
|            | Lens           |             |
|            | Lens Muscle    |             |
| Inner Eye  | Vitreous Humor |             |
|            | Retina         |             |
|            | Rods           |             |
|            | Cones          |             |

6. What is the Optic Nerve?

**The Tongue & Nose: (Detect chemicals in food or air)**

1. About how many taste buds do you have?
2. What are the four different kinds of taste buds?
  - Your sense of smell is about 1000X more sensitive than taste.
3. What sense has a strong influence on your sense of taste?

**The Ear:**

Use the following terms to complete the pathway of hearing.

Ear Canal, Eardrum, Ear Flap, Hammer, Cochlea, Auditory Nerve, Stirrups, Anvil.

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. What is the job of the semicircular canals?

**The Skin:**

1. What is the outer layer of skin called?
2. What is the inner layer of skin called?
3. Name four things your skin can detect.

**Problems With the Sense Organs:**

1. Briefly describe how vision is corrected.
  
  
  
  
  
  
  
  
  
  
2. What are causes of hearing loss?