**Quiz #3**

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

1) Sensory systems consist of groups of specialized receptor cells and afferent neurons that pass sensory stimuli to higher processing regions in the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (CNS).

2) Describe one difference between vertebrates’ and invertebrates’ eyes.

3) The vertebrate ear is able to perform two separate sensory functions (equilibrium in the otolithic organs and hearing in the cochlea), each based on the activity of \_\_\_\_\_\_ cell receptors.

4) Your lab manual describes four types of movement responses animals can exhibit when given a specific stimulus; name two of them.

5) For today’s experiment, we will be using two different types of insects; name both of them.

Bonus) The compound (Z, Z, E) -3, 6, 8-dodrcstrin-1-ol is secreted by *C. formosanus*. We will be simulating these secretion using pens that contain this chemical in their ink. What color must the pens be for us to know that this chemical is in the ink?