

RAVEN CHAPTER 45 GUIDED NOTES: THE SENSORY SYSTEM

Raven 9th edition

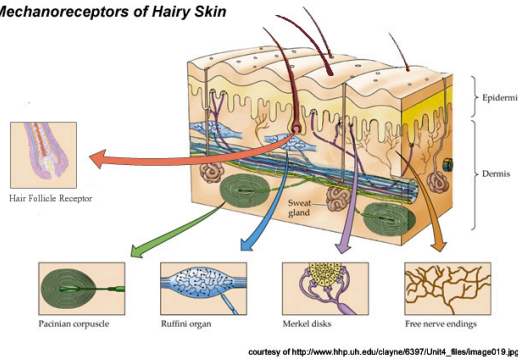
1. List and describe three types of receptors

- a. _____
- b. _____
- c. _____

2. Summarize the four step sensory process:

- a. _____
- b. _____
- c. _____
- d. _____

Mechanoreceptors of Hairy Skin



3. 5 Types of mechanoreceptors are discussed in section 45.2. Choose 1 and explain briefly what adaptive advantage it offers,

4. Explain how a fish uses a lateral line system

5. How are the ears of fish similar to those of humans?

6. What is the evolutionary benefit of chemoreceptors in the nose and mouth?

7. Figure 45.2 shows a signal transduction pathway in the vertebrate eye. How are signals sent at the cellular level?

8. List the steps in the visual information pathway