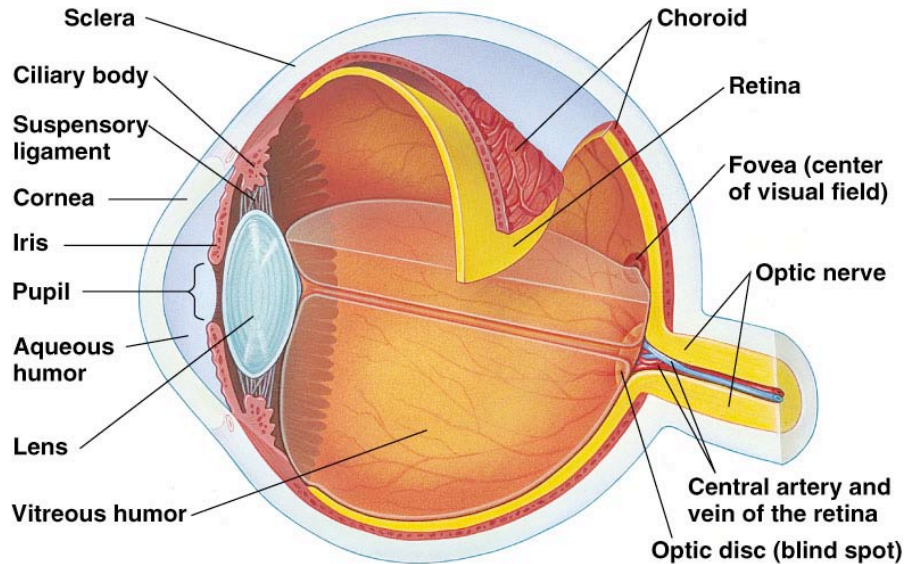
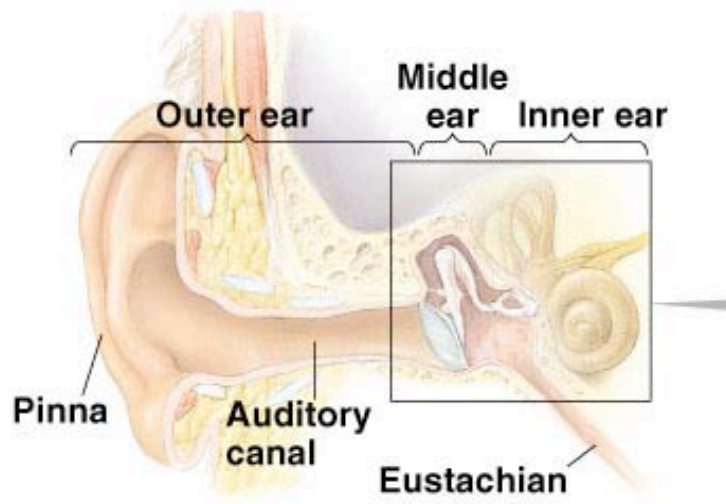


**AP: CHAPTER 49: SENSORY AND MOTOR MECHANISMS**

1. Using a diagram of the vertebrate eye, identify and give the function of each structure.



2. Using a diagram of the human ear, identify and give the function of each structure.



3. Explain how the mammalian ear functions as a hearing organ.

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4. Explain how the mammalian ear functions to maintain body balance and equilibrium.

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5. Describe three functions of a skeleton.

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6. Distinguish between an exoskeleton and an endoskeleton.

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7. Explain how the skeleton combines with an antagonistic muscle arrangement to provide a mechanism for movement.

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8. Explain how the nervous system produces graded contractions of whole muscles.

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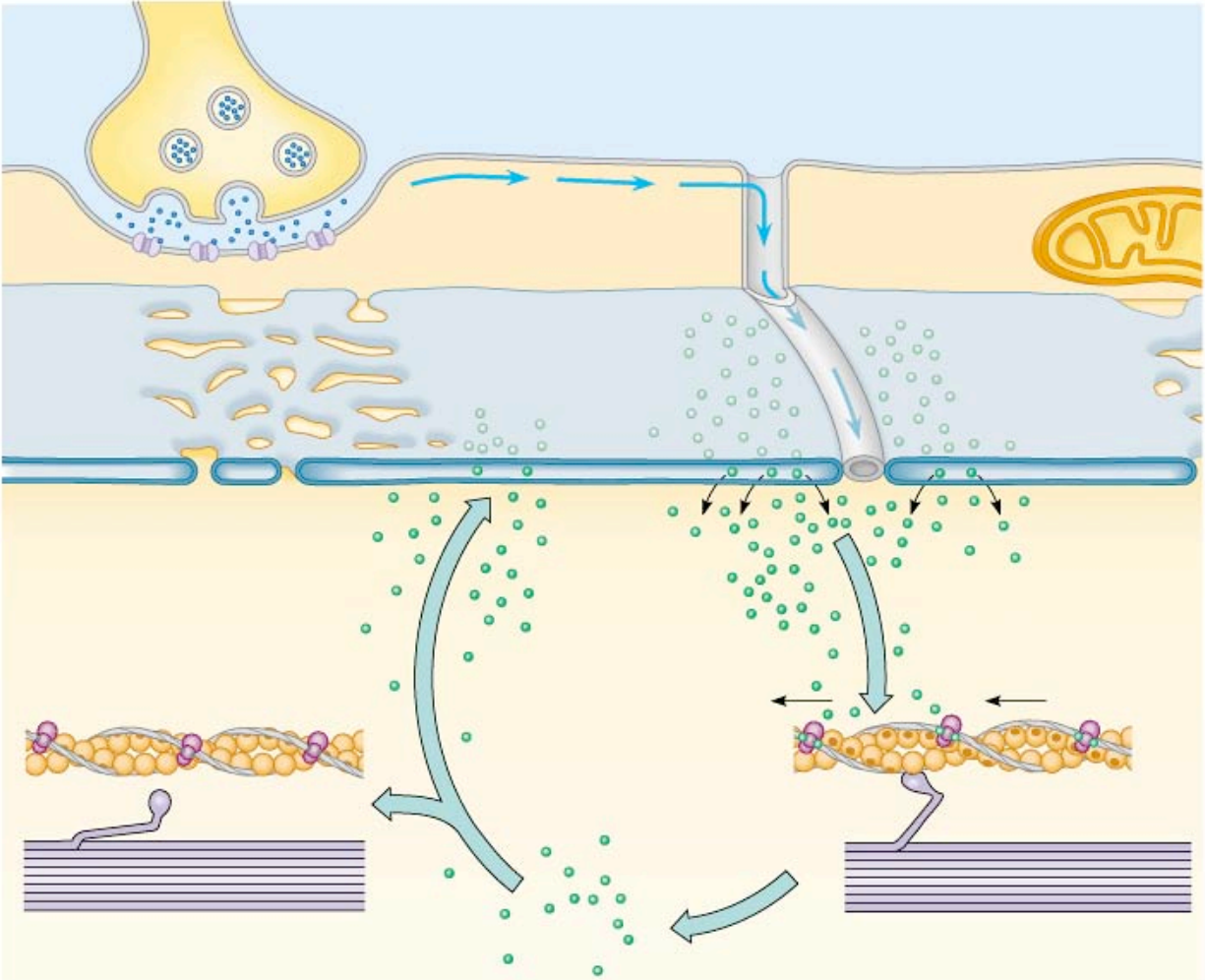
9. Distinguish among skeletal muscle, cardiac muscle, and smooth muscle.

a. \_\_\_\_\_

b. \_\_\_\_\_

c. \_\_\_\_\_

10. Labeling the diagram below, explain how a muscle contraction is controlled.



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