

CHAPTER 10**HANDOUT****Types of Muscle Tissue****BLM 10.1.1**

1. Three types of muscle tissue are located in various organs in the body. Complete the table below to summarize the characteristics of each type of muscle tissue.

Characteristics of Muscle Tissues

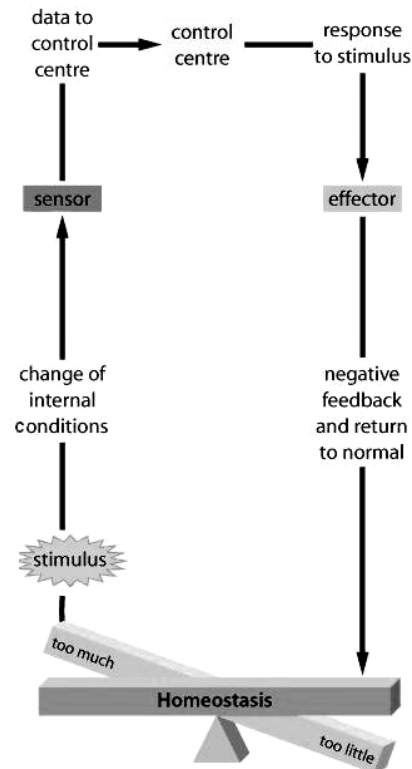
| Type | Structure | Voluntary/ Involuntary? | Location in the Body |
|----------|-----------|----------------------------|-------------------------|
| Smooth | | | |
| Cardiac | | | |
| Skeletal | | | |

Use the following information to answer the next question.

Although they differ in various characteristics, all muscles types have one function. They create movement within the body.

Review the figure opposite. It explains that sensors in the body continuously detect stimuli. Information is sent to control centres, which in turn direct responses to the stimuli. *Responses are carried out by effectors—all of which are types of muscle tissue.*

Suppose you are asleep and the doorbell rings. You stumble to your feet and move toward the door, open it and speak with your visitor. Think of the many changes occurring in your body as you awaken and respond to the sound of the doorbell.



2. Complete the table below to show how the three types of muscle tissue help you respond to the doorbell.

| | |
|-----------------|--|
| Smooth Muscle | |
| Cardiac Muscle | |
| Skeletal Muscle | |