Today's Study Tip

 Meet your neighbors. Exchange contact information. Make a study date.











2. Extrinsic control

"outside"

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- Ex: overworked muscle needs O_{2} and waste removal
- Chemoreceptors in carotid arteries are signaled
- Signal to brain and nervous system
- Commands to vasodilate to entire muscle
- Homeostasis is achieved

Four components of homeostasis

- 1. Stimulus causes a change in balance
- 2. Sensor
 - Notices the stimulus
 - Sends information out afferent pathway
- 3. Integrating Center
 - Receives information from sensor
 - Establishes the "setpoint"
 - Analyzes and then sends information out efferent pathway



Group Question



List the Stimulus, Sensor, Integrating Center and Effector for this scenario of "homeostasis".

Last summer, 8 year old Charlene was walking barefoot on the sidewalk. She stepped on a sharp piece of glass and her immediate reaction was to lift up her foot.





Remaining topics of chapter 1

- Tissues, organs, systems
- I expect you to already know the rest of the chapter which is anatomy review

10