



Body Systems and Homeostasis Stations

January 7-8, 2014

Welcome! 1/7/14

- **Objective:** Students will (1) explore the functions and parts of various body systems and (2) explain how body systems work together to maintain homeostasis by completing station activities

Catalyst:

1. What is the definition of “homeostasis”?
2. What part of the cell maintains homeostasis?
3. What **two organ systems** help control feedback in the body?

** You will need your BLUE folder today!

** New Grades posted to include grade on Review Project!

Objective

Students will:

- (1) explore the functions and parts of various body systems and
- (2) explain how body systems work together to maintain homeostasis by completing station activities

in order to demonstrate an understanding that all organisms are composed of cells which can function independently or as part of multicellular organisms.

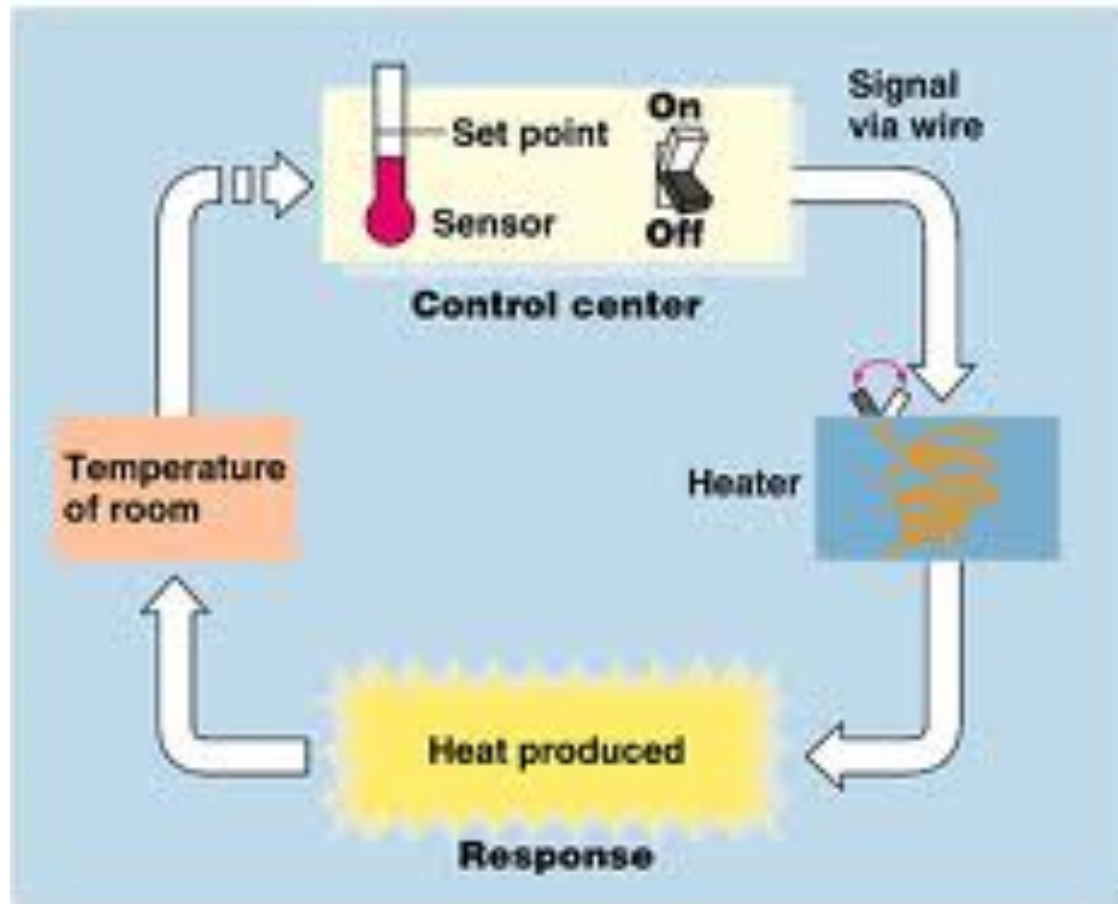
Agenda

- Catalyst
- Organize folder
- Body System Stations
- Exit Slip

Reminders and Homework

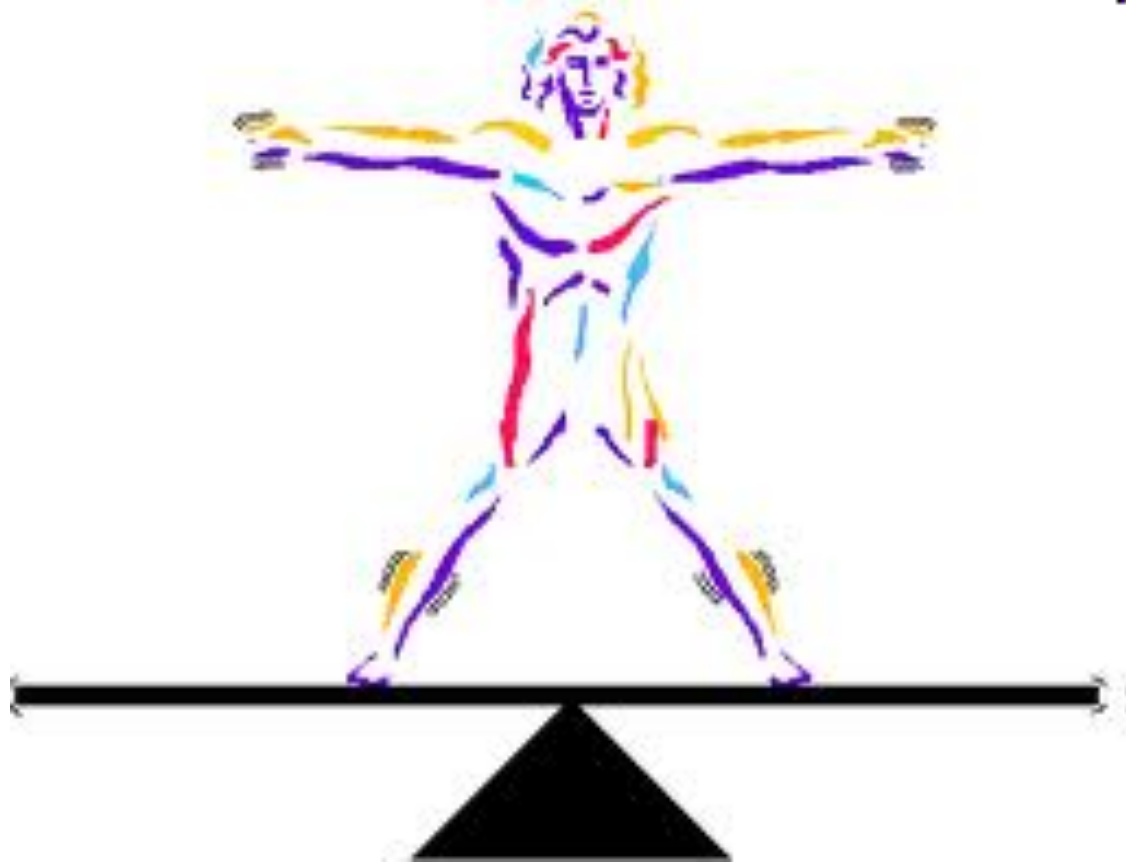
- Biology Review Project **OVERDUE**
 - -10% for each day it is late
 - Packets turned in next week can earn **NO HIGHER** than 50%
- **QUIZ Thursday!**
- **Midterm Exams Next week!!**
- **2nd Quarter ENDS 1/17/14**

Negative Feedback Loops



(a) Control of room temperature

Homeostasis is all about BALANCE



What happens when homeostasis fails?

- **What happens when homeostasis fails?**

Read the assigned reading at your group and answer the following four questions.

- 1) What external conditions did this person face?
- 2) What signs or symptoms did this person's body show that they were failing to maintain homeostasis?
- 3) What should this person have done to help his/her body maintain homeostasis?
- 4) What caused this person's death?

What happens when homeostasis fails?

Then, present your story to your group and explain your four answers. As your group presents their stories, answer the following questions about their articles.

Article #2:

- 1) What external conditions did that person face?
- 2) What signs or symptoms did that person's body show that they were failing to maintain homeostasis?

Article #3:

- 1) What external conditions did that person face?
- 2) What signs or symptoms did that person's body show that they were failing to maintain homeostasis?

Why is homeostasis important?

- Our objective/goal for today...

(Students will:

(1) explore the functions and parts of various body systems and

(2) explain how body systems work together to maintain homeostasis by completing station activities

in order to demonstrate an understanding that all organisms are composed of cells which can function independently or as part of multicellular organisms.

Body Systems and Homeostasis Stations

- We will be working in partners to complete the stations set up around the room.
- Read all directions carefully and complete the questions at the station.
- Get Ms. Farley to check your answers **BEFORE** you are given permission to move to the next station.

Stations

- Read ALL directions carefully
- You should be ON TASK
- If you have questions:
 - First, re-read the directions
 - Second, ask your partner
 - Third, ask Ms. Farley

Objective Check

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in order to demonstrate an understanding that all organisms are composed of cells which can function independently or as part of multicellular organisms.

Exit Slip—Day 1

- *We will continue body system stations tomorrow.*
- Write down 3 things your **LEARNED** today about the body/homeostasis.

Exit Slip—Day 2

- Work on the Practice HSA Questions
- As you read, underline the important terms and **circle** the question word.
- Ask yourself, “**What is this question asking me?**”