

Feedback Loops Handout

As you work your way through the feedback loops presentation, answer the following questions to help you collect the relevant information.

1. What are feedback mechanisms?

2. Compare and contrast negative feedback and positive feedback:

Negative Feedback

Positive Feedback

3. What is thermoregulation? What is the range of normal body temperature?

4. Describe the role of the hypothalamus in thermoregulation:

5. What are the effectors in thermoregulation of increased body temperature? How do they help to decrease body temperature?
6. Summarize the steps involved in thermoregulation once body temperature increases above normal levels:
7. What are the effectors involved in thermoregulation of decreased body temperature? How do they help to increase body temperature?
8. Summarize the steps involved in thermoregulation once body temperature decreases below normal levels:

9. List and describe the steps of the positive feedback mechanisms of child birth:

10. Homeostasis in animals is usually maintained through negative feedback systems rather than positive feedback systems. Why do you think this is so?