**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**

1. **What is thermoregulation? What is the range of normal body temperature?**
2. **Describe the role of the hypothalamus in thermoregulation:**
3. **What are the effectors in thermoregulation of increased body temperature? How do they help to decrease body temperature?**
4. **Summarize the steps involved in thermoregulation once body temperature increases above normal levels:**
5. **What are the effectors involved in thermoregulation of decreased body temperature? How do they help to increase body temperature?**
6. **Summarize the steps involved in thermoregulation once body temperature decreases below normal levels:**
7. **List and describe the steps of the positive feedback mechanisms of child birth:**
8. **Homeostasis in animals is usually maintained through negative feedback systems rather than positive feedback systems. Why do you think this is so?**