

AP Biology 018 – Positive and Negative Feedback Loops Video Review Sheet

www.bozemanscience.com/positive-and-negative-feedback-loops

1. Introduction
 - a. Negative Feedback loop: dance around that point, brings you...

 - b. Positive Feedback loop: amplifying and moving

 - c. What can alterations in our feedback loops lead to?

2. Negative Feedback
 - a. Homeostasis defined:

 - b. How does a hairless cat maintain homeostasis? Through

 - c. Ectotherms defined:

 - d. Endotherms defined:

 - e. What types of feedback loop do we use to maintain our temperature?
 - i. If too hot we (also explain why we would do that):

 - ii. If too cold we (again, explain why that behavior):

3. Positive Feedback
 - a. What plant hormone does ripe fruit give off?

 - b. Why can one “bad apple” spoil a barrel?

 - c. How is fruit ripening an example of positive feedback?

 - d. What is the example in humans?

- e. Positive feedback is not used for a long time, it is used when you want to do something....
4. Mistakes in Feedback Loops
- a. Besides being in your blood, where else could glucose go? (2x)
 - b. What two hormones help with blood glucose regulation:
 - c. What organ and what other job does it have?
 - d. What are the two cells found in the pancreas and what does each do?
 - e. Why does the blood glucose levels usually rise three times per day?
 - f. What else was rising at the same time?
 - g. What is wrong when you have type I diabetes?
 - h. What is type II diabetes a result of usually?
 - i. What pattern do you see with diabetes worldwide and why is that?