Internet Assignment: Blood Sugar Regulation & Diabetes

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class: \_\_\_\_\_\_\_\_\_

<http://bcs.whfreeman.com/thelifewire/content/chp50/5002s.swf>

Read the Introduction

1. What are the 2 hormones responsible for regulating blood sugar levels

Click effects of insulin

1. What part of the body absorbs monosaccharides
2. What doe increased blood glucose levels lead to
3. What cells of the pancreas secrete this hormone?
4. What does insulin do
5. What doe each of the following cells use glucose for
   1. Muscle:
   2. Adipose:
   3. Liver:
6. Without a glucose supply, what does the body use for energy?

Review

1. What is the process that breaks down glucose called?

Now watch the effect of glucagon

1. Where in cellular respiration do fatty acids enter the cycle?
2. If blood glucose falls below the normal level, what hormone is released?
3. What affect does glucagon have on the liver?
4. Overall, which hormone is responsible for lowering blood sugar?
5. Which is responsible for raising blood sugar?

Now read the conclusion and take the quiz