

Name: _____ Date: _____ Hour: _____

Reassessment Work for 2-5

<http://nortonbooks.com/college/biology/animations/ch08p01a.htm>

Click on the animation above. Using the space below, describe what is happening in the animation show. How do plants and animals rely on each other? Explain how photosynthesis and cellular respiration are related and how ENERGY flows through nature. Please use all the lines below to explain your answer.

Carbon dioxide from the giraffe and water are taken in by the plant and converted to sugars. Light energy is released and is used by the plant to make glucose/sugar for the plant through a process called photosynthesis. The molecule of glucose made has (stored) chemical energy.

The giraffe eats the leaves (stored energy) and uses the oxygen released by the plant. Both glucose and oxygen are used by the giraffe for energy. This process is called cellular respiration.

The giraffe breaks down the sugars into carbon dioxide and water. This process releases motion and heat energy for the giraffe. This cycle begins again.