Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Block \_\_\_\_\_

**Photosynthesis and Cellular Respiration Are A Cycle in Nature**

**![H:\Biology 2012 2013\2nd six weeks\Photosynthesis Cell Respiraton\Comparison of Photosynthesis and Cellular Respiration\hoe03474_05_01[1].jpg]()**

1. What molecules do letters A and B represent in the diagram?
2. What molecules do letters C and D represent in the diagram?
3. How are photosynthesis and cellular respiration a cycle in nature?



1. What is the purpose of the photosynthesis and cellular respiration cycle in terms of energy?
2. Do plants undergo photosynthesis, cellular respiration or both? Explain.
3. What organisms undergo cellular respiration? Why?
4. Is energy transformed or used up in this cycle?
5. Is matter transformed or used up in this cycle?