Cellular Respiration

STUDENT LEARNING OBJECTIVES:

Students will learn about cellular respiration

Students will review information on ecosystems and the carbon cycle

INSTRUCTIONS:

Read the chapters from our textbook and answer the following questions:

1. What is the definition of cellular respiration?
2. What is the chemical equation for cellular respiration?
3. What does cellular respiration do?
4. What happens during the digestion of food?
5. What does cellular respiration have to do with the Whale Feces Ecosystem? Explain.
6. What is the building block of life?
7. How does carbon get recycled through ecosystems? Explain (see page 90)
8. How does carbon get recycled through the Whale Feces Ecosystem? Explain.
9. How does carbon dioxide get cycled through the atmosphere? Explain.
10. Why is there more carbon dioxide in the atmosphere today than at any other time?
11. What is the source of energy for almost all ecosystems? Is this source the same source for the Whale Feces Ecosystem? Explain.
12. What is the food chain for the Whale Feces Ecosystem?
13. What is a food web? What are the 2 global food webs? Which one does the Whale Feces Ecosystem depend upon?
14. What does it mean that matter cycles through the earth? Explain.
15. What does it mean that Energy Flows through the earth? Explain.
16. What are some consequences to changes in an ecosystem? Explain.