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| **1.1 Earth’s Atmosphere Supports Life** | | |
| 1. What is the atmosphere? |  | |
| 1. How does the atmosphere make life possible? Find these examples in the text above. (List at least three) |  | |
| 1. What is the altitude? |  | |
| 1. What is Density? |  | |
| 1. What happens to the atmosphere’s density as you travel upward? |  | |
| 1. Look at the picture of the climber on page 10. Why does he need an oxygen mask? |  | |
| 1. Nitrogen makes up what percentage of air? Is it the most prevalent? |  | |
| 1. What is the second most common gas in air? |  | |
| **Using the diagram on page 11, answer questions 9 – 11.** | | |
| 1. Why isn’t water vapor included in the graph? |  | |
| 1. What percentage of the atmosphere is made up of oxygen? |  | |
| 1. How do the graph and the photograph show, in two different ways, that the atmosphere has substance? |  | |
| 1. What are cycles? |  | |
| 1. What important cycles affect the atmosphere? |  | |
| **Using the diagram on page 13, answer questions 14 – 19.** | | |
| 1. What do the arrows in all three diagrams represent? |  | |
| 1. Compare the placement of the arrows in the diagrams. In each case, what are they pointing to? |  | |
| 1. When the tiger exhales carbon dioxide, does it go directly into the tree? Explain |  | |
| 1. How did the decaying leaves get nitrogen? |  | |
| 1. If water vapor stayed in the atmosphere and did not return to Earth’s surface, how would it affect the tree? |  | |
| 1. How are the three cycles similar? How are they different? | **Similar:** | **Different:** |
| 1. What are three sudden events mentioned in the book that can occur and change the atmosphere? |  | |
| 1. Look at the satellite images of northwestern Africa on page 14. How does the second image differ from the first? |  | |