|  |
| --- |
| **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?
 |  |