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| **1.2 The sun supplies the atmosphere’s energy** |
| 1. What two things happen to the sunlight that reaches Earth?
 | 1)2) |
| 1. What is radiation?
 |  |
| 1. What happens to most of the solar radiation that reaches Earth?
 |  |
| 1. What different things do sand and air do with solar energy?
 |  |
| 1. What are three ways that atmosphere moves energy?
 |  |
| 1. What is conduction and how is energy transferred in conduction?
 |  |
| 1. What is convection?
 |  |
| 1. What happens to the energy of heated air during convection?
 |  |
| 1. Compare conduction and convection. How are they similar?
 |  |
| 1. What produces the motion of air convection?
 |  |
| 1. What are the four layers of the atmosphere mentioned in the book in order from closest to farthest away?
 | 1) 3)2) 4) |
| 1. How does the temperature change in each layer?
 |  |
| **Using the diagram on page 20, answer questions 13-14** |
| 1. Does each layer have a set temperature or a range?
 |  |
| 1. Where in the troposphere would you find the warmest temperatures?
 |  |
| 1. Where is the troposphere, and how is it heated?
 |  |

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| **Atmosphere Layers Information** |
| **Layer** | **Based on background information found on pg 20 and 21, list the important characteristics of each layer.**  |
| **Troposphere** |  |
| **Stratosphere** |  |
| **Mesosphere** |  |
| **Thermosphere** |  |