1. How are climate and weather different?
2. Explain why it rains almost daily at the equator.
3. Explain how circulation patterns form in the atmosphere.
4. Why is the climate in Georgia different than the typical climate you see at 30 degrees latitude?
5. Describe the trend in carbon dioxide levels since they have been monitored since 1958.
6. Why is it so rainy in Seattle?
7. Why does the climate tend to cool as you increase distance from the equator?
8. What problems are associated with the thinning of the ozone layer?
9. Why does cool air sink?
10. Which greenhouse gas is most common?
11. Which can hold more moisture; warm air or cold air?
12. Give examples of how the ocean can affect a region’s climate.
13. How would Earth’s climate differ if it were not tilted at 23.5 degrees?
14. What is the function of greenhouse gases?
15. What greenhouse gas are scientists most concerned about? Why?
16. Scientists have determined that the Earth has warmed in the past. Why are they so concerned about the Earth warming now?
17. Why are chlorofluorocarbons environmentally significant?
18. What are scientists concerns with the breakdown of the ozone layer?
19. How much has the average global temperature increased over the past century?
20. What could be some short-term and long-term consequences of global warming?
21. Why does the Earth experience seasons?