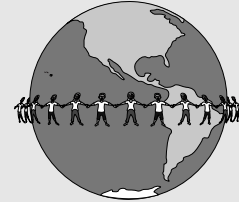


## Figure 7.7: Ecology

### **Advanced Language**

- Write several similes for habitat.
- Explain which five words you think are most significant to ecology.
- Explain what *sustainability* is to someone who does not understand.
- What could you say to convince a factory owner to decrease pollution?



### **Analytical Thinking**

- Name all the attributes you can think of for a biome.
- What would be the mission statement for an ecology club for our school?
- What makes ecology unique, and why is it important?
- How do you think the trends of the past and present influence what might happen to our ecosystem?

### **Meaning Motivation**

- List all the facts you can think of about habitats. Rank them from most to least significant, and explain your thinking.
- What do you already know about deciduous forests that might help you understand coniferous forests?
- What are some unanswered questions related to ecology?
- What issues are central to pollution control?

### **Perspective**

- How might a Native American living 150 years ago respond to today's pollution problems?
- Respond to the issue of a deteriorating ozone layer from the perspective of a mother with a baby, a factory owner, and an environmental scientist.
- Role play a debate between abiotic and biotic factors regarding which is more important.
- In terms of ecology, what should be the balance between the public good and individual rights?

### **Sense of Humor**

- What might happen if garbage cans burped or talked?
- Instead of litter falling on the ground, it would be funnier if every time a person littered it \_\_\_\_.
- Draw a satirical cartoon about an important aspect of ecology.

### **Sensitivity**

- If you were a tree, how would you respond to becoming a paper product?
- How does recycling affect others? How does it apply to you?
- What do you think is the best way to help wild life whose habitat has been damaged or destroyed?
- What is the ethical thing to do if there is a chemical spill or pollution near a creek, river, or lake?

### **Accelerated Learning**

- Make up a code or symbols to identify various forms of pollution and the severity of their impact.
- What is the most critical issue affecting our ecosystem?
- Relate a current critical ecological issue to past, present, and future trends.
- In what ways is ecology a political issue?