

## **Concept 36.4**

**Human activities can alter ecosystems.**

### **Impact on Chemical Cycles:**

#### **Carbon Cycle Impact**

- Deforestation
- Greenhouse Effect
- Global Warming

#### **Nitrogen Cycle Impacts**

- Eutrophication
- Acid Rain

#### **Water Cycle Impact**

- Transpiration
- Case Study: Hubbard Brook Experimental Forest

### **Other Effects of Pollution:**

- Biological Magnification
- Damage to the Ozone Shield (CFCs)