

Name:

Date:

Class:

## Pre/Post-Quiz **Answer Key**

1. What are some ways that people interact with plants?  
Plants provide people with food, fiber, shelter, medicine, and fuel.
2. Do you think soil is important to an ecosystem? Why or why not?  
Healthy soils provide habitats that support thousands of different species of fungi, bacteria and invertebrates, which then work in combination to drive the Earth's carbon, nitrogen and water cycles, thereby creating the nutrients and food we need to survive.
3. Do you think soil is important to people? Why or why not?  
Soil helps produce our food and unearth life-saving medicines and vaccines. Soil also filters and purifies our water, reduces flooding, regulates the atmosphere and plays a crucial role in driving the carbon and nitrogen cycles. It is also key to tackling climate change as it captures and stores vast amounts of carbon.
4. What are some positive and negative ways that people affect the environment?  
Protecting endangered species and cleaning lakes and seas has a positive effect on the environment.

Humans impact the physical environment in many ways: overpopulation, pollution, burning fossil fuels, and deforestation. Changes like these have triggered climate change, soil erosion, poor air quality, and undrinkable water.

### **Lab Pre-Assessment**

1. What are some ways to take good lab notes?  
Answers will vary.
2. What kind of qualities do you want your lab partner to have? What kind of lab partner do you want to be?  
Answers will vary.
3. How can you be a good engineer?  
Answers will vary.