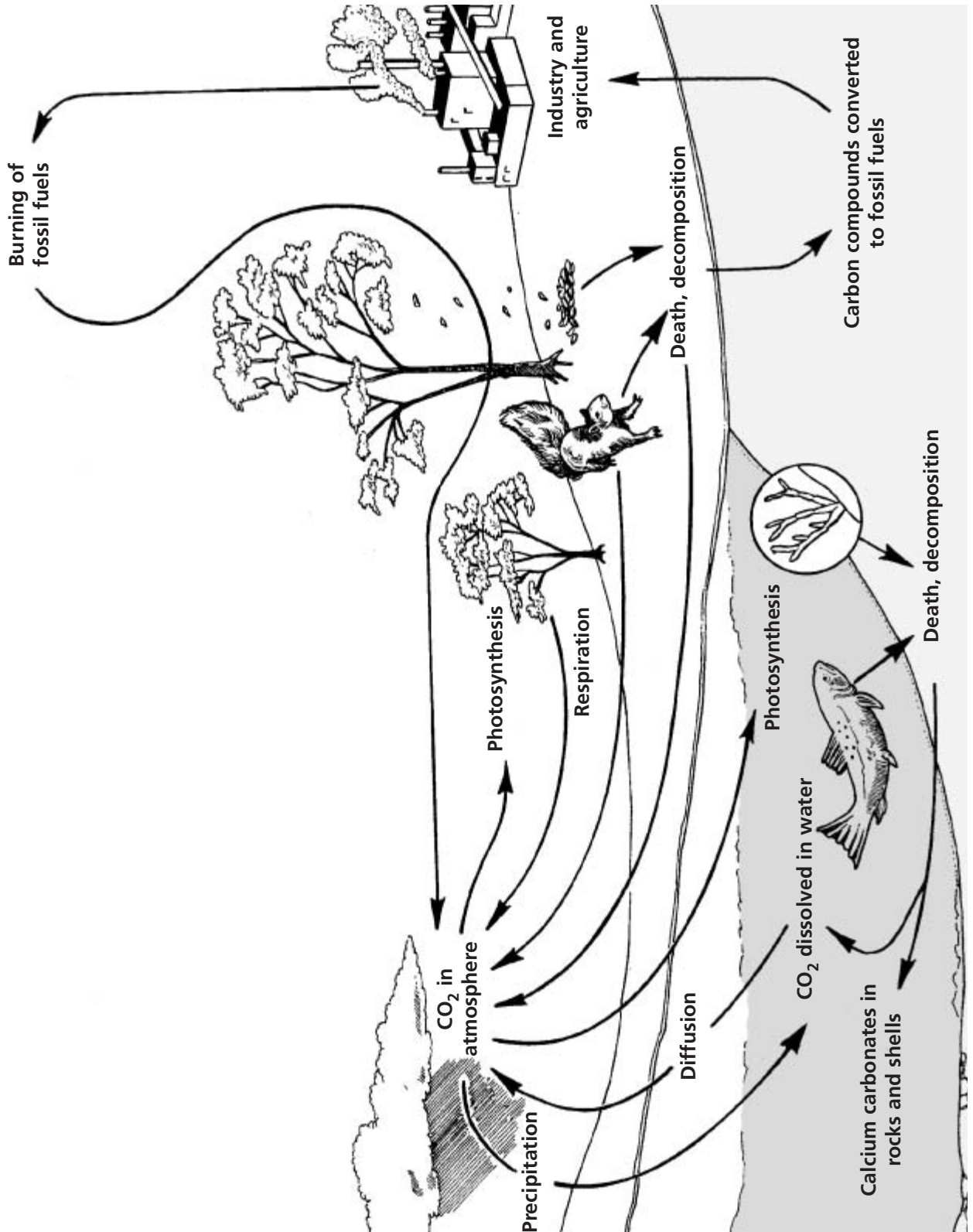


# Master 1

## The Carbon Cycle

### Reteaching Skills

Use with Chapter 2, Section 2.2



## Worksheet

## 1

**The Carbon Cycle****Reteaching Skills***Use with Chapter 2, Section 2.2*

1. What is the process by which plants convert carbon dioxide into energy-rich carbon compounds?

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2. Explain what can happen over millions of years to the carbon compounds in organisms that die and decompose.

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3. What processes in the transparency release carbon dioxide into the atmosphere?

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4. Identify the two major reservoirs of carbon dioxide on Earth.

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5. What are the forms in which carbon is found in the oceans?

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6. How do plants and animals help to maintain a balance of carbon dioxide in the atmosphere?

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7. Atmospheric carbon dioxide might produce a so-called “greenhouse effect” by trapping heat near Earth’s surface. What human activities might tend to increase the greenhouse effect?

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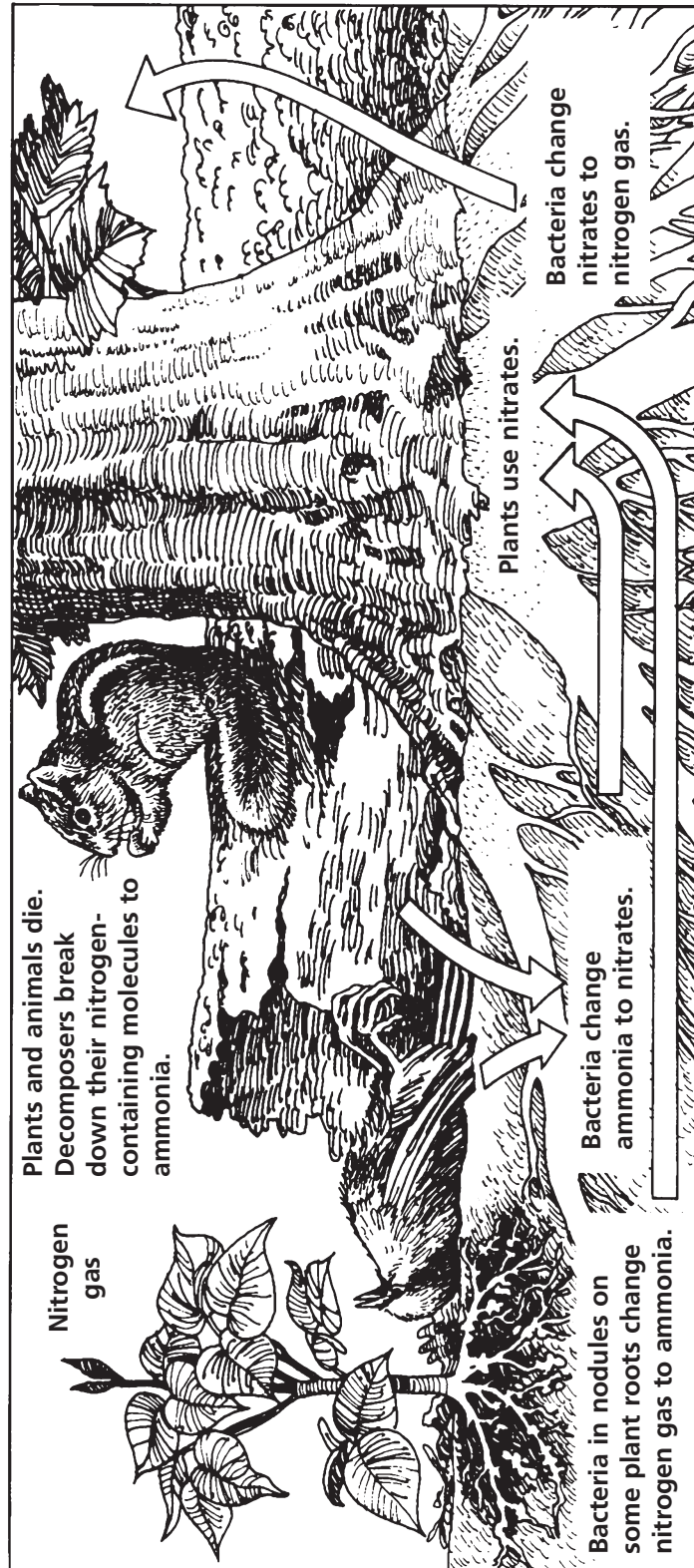
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**Master  
2**

**The Nitrogen Cycle**

**Reteaching Skills**

Use with Chapter 2, Section 2.2



## Worksheet

## 2

**The Nitrogen Cycle****Reteaching Skills***Use with Chapter 2, Section 2.2*

1. What percent of the air consists of nitrogen gas?

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2. Bacteria in root nodules change nitrogen gas into what form?

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3. What is the role of decomposers in the nitrogen cycle?

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4. How do plants obtain the nitrogen they need?

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5. How do herbivores obtain the nitrogen they need?

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6. How do other animals obtain the nitrogen they need?

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7. According to the transparency, how is nitrogen returned to the atmosphere?

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8. What would be the impact on the nitrogen cycle if there were a decrease in decomposition in a given ecosystem?

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