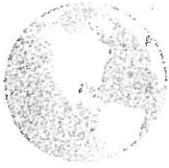


NAME: \_\_\_\_\_



# Photosynthesis

**D**id you know that most plants are very lucky? Plants are lucky because they never need to go grocery shopping! They also do not need to spend time cooking! They sit around in soil and wait for sunshine to come. Plants use the Sun to make their food themselves. Humans make food by cooking. We cannot make our own food without buying it or growing it. Plants are the only living things that can make their own food.

Animals breathe in oxygen and breathe out **carbon dioxide**. Green plants do the opposite. They breathe in carbon dioxide and breathe out oxygen. Plants breathe in carbon dioxide through their leaves during the day. From sunlight, green plants mix carbon dioxide and water to make **sugar** and **oxygen**. We all like sugar, don't we? Plants do too. Sugar gives plants energy to grow. We call this whole process **photosynthesis**. It is the process where plants use sunlight, water and carbon dioxide to make food, oxygen and water.



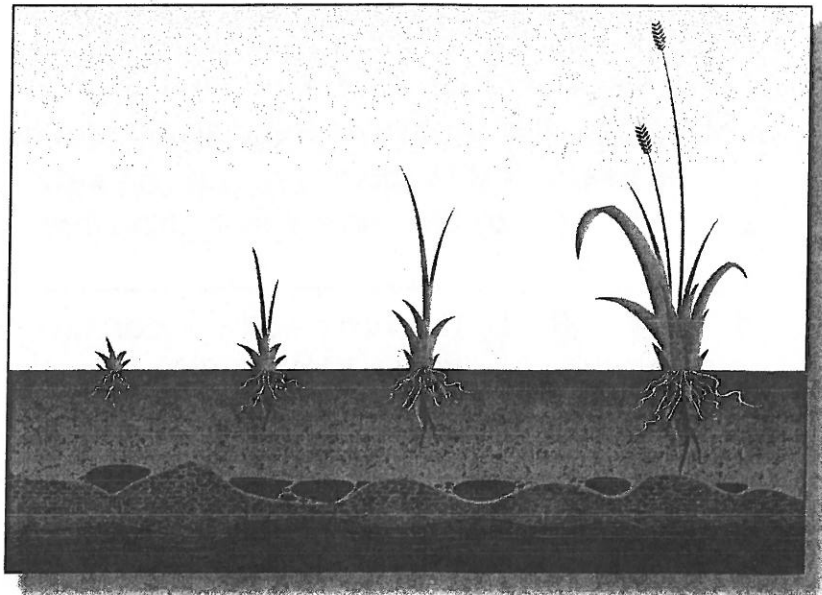
**Why do you think photosynthesis is the most important process on the Earth?**

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Many animals and plants depend on other plants to survive. That is why **photosynthesis** is so important. If plants could not use the Sun's energy to make food, what would happen? We would not be able to live! Light is so important to plants and plants are so important to us. We can eat so many different things that plants can grow... fruits, nuts, leaves, seeds, and even flowers!





# Photosynthesis

1. Put a check mark (✓) next to the answer that is most correct.

a) We can consider plants to be very lucky because:

- A they have leaves to help them grow strong and tall.
- B they are the only living organisms that are able to make their own food.
- C their roots bring them food from the soil.
- D they grow very close to other plants and can help each other find food.

b) How do plants make their own food?

- A They find bugs and other things in the soil close to their roots.
- B They do not need food to grow.
- C They get food from the plants that are living close to them.
- D They use sunlight, water and carbon dioxide to make food.

c) Why is photosynthesis the most important process on our Earth?

- A Many animals and plants depend on plants to survive.
- B Plants do not need energy from sunlight to make food.
- C We would still survive on Earth if plants didn't make food.
- D Only humans depend on plants for energy.

d) Where do plants get most of their energy from?

- A From the people that have planted them in the soil.
- B From water, either from a garden hose or rain.
- C From the air around them, especially on hot summer days.
- D From the sun's energy which is called solar energy.

2. Circle the word True if the statement is true. Circle the word False if it is false. If it is false, rewrite the sentence to make it true.

T F a) We can eat everything that plants grow, even some flowers.

\_\_\_\_\_

T F b) Humans breathe in carbon dioxide and breathe out oxygen. Plants do the same.

\_\_\_\_\_

T F c) Humans can make their own food just like plants.

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