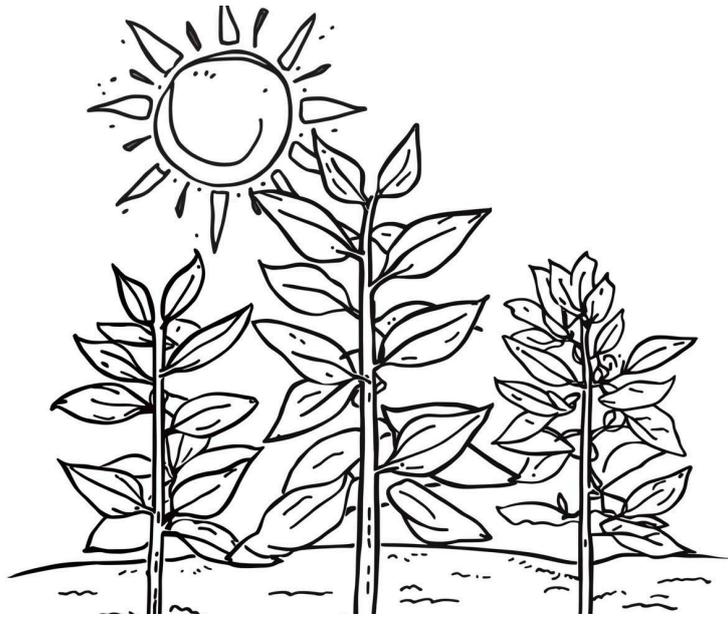


All About Plant Life and Photosynthesis

Name: _____



Plants are living organisms that are very important for life on Earth. They provide food, oxygen, and shelter for humans, animals, and other living things. Plants grow in many places, including forests, gardens, deserts, and even on mountains.

One of the most important processes in plants is called photosynthesis. Photosynthesis is how plants make their own food. Unlike humans and animals, plants do not eat food from other sources. Instead, they use sunlight, water, and carbon dioxide to produce food and oxygen.

Here is how photosynthesis works: The green part of the plant, called leaves, contains a substance called chlorophyll. Chlorophyll absorbs energy from the sunlight. Plants take in water from the soil through their roots and carbon dioxide from the air through tiny openings in their leaves called stomata. Using sunlight, plants turn water and carbon dioxide into glucose, a type of sugar that plants use for energy and growth. At the same time, oxygen is released into the air.

Photosynthesis is extremely important because it provides food for the plant, and oxygen for all living things. Without photosynthesis, humans and animals would not have enough oxygen to breathe, and plants would not grow properly. Plants also help in other ways. They clean the air, prevent soil erosion, and provide habitats for animals. Taking care of plants is important for keeping the Earth healthy and balanced.

Name: _____

A. Choose the correct answer.

What is the green substance in leaves that absorbs sunlight?

- a) Chlorophyll
- b) Glucose
- c) Stomata
- d) Carbon dioxide

Which three things do plants need for photosynthesis?

- a) Soil, sunlight, oxygen
- b) Sunlight, water, carbon dioxide
- c) Water, oxygen, nitrogen
- d) Soil, water, sunlight

What do plants release into the air during photosynthesis?

- a) Carbon dioxide
- b) Oxygen
- c) Glucose
- d) Water

Where do plants take in water from?

- a) Air
- b) Roots
- c) Leaves
- d) Flowers

True or False:

- 5. Photosynthesis allows plants to make their own food. _____
- 6. Humans and animals perform photosynthesis to get energy. _____
- 7. Plants help prevent soil erosion and provide habitats for animals. _____

Name: _____

8. Explain in your own words what photosynthesis is.

9. Name two things plants release during photosynthesis.

10. Why is photosynthesis important for humans and animals?

11. What are stomata and what do they do?

12. How do plants help the Earth besides making food and oxygen?
