



Introduction to Plants

Introduction to Plants

You will be learning about plants for the next few weeks. Plants are a type of living thing that they see all around you.

Introduction to Plants



All living things need food, water, and air. People and animals are living things because they all need food, water, and air. Living things also reproduce or make babies that look like themselves.

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Can you name all the living things in this picture?

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Nonliving things, such as rocks or buildings, do not reproduce or have babies, and they do not need food, water, or air because they are not alive.

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I am going to read a list of things--some that are living and some that are nonliving. If what I name is living, please put your thumb up. If what I name is nonliving, put your thumb down.

Introduction to Plants



Thumbs Up = living

Thumbs Down = Nonliving



dog



Introduction to Plants



Thumbs Up = living

Thumbs Down = Nonliving



tree





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Thumbs Up = living

Thumbs Down = Nonliving



rock





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Thumbs Up = living

Thumbs Down = Nonliving



cat





Introduction to Plants

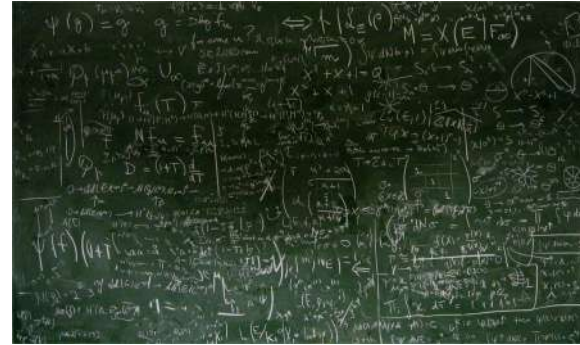


Thumbs Up = living

Thumbs Down = Nonliving



chalkboard





Introduction to Plants



Thumbs Up = living

Thumbs Down = Nonliving



crayons





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Thumbs Up = living

Thumbs Down = Nonliving



a person





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Thumbs Up = living

Thumbs Down = Nonliving



a table





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Thumbs Up = living

Thumbs Down = Nonliving



a flower





Introduction to Plants



Listen to find out some of the many different places that plants can live.

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*There are many different kinds of people, animals, and **plants** that live in our world.*

Here, the word plants means living things that have leaves and roots and make their own food. The word plants can have other meanings. The word plants also means puts seeds into the ground.

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You probably recognize many of the living things in this picture. In some ways, people, animals, and plants are alike--they are all alive. They need food, water, and air to grow and stay alive.

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But plants, people, and animals are different in many other ways.

How do you think plants and animals are different?

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Unlike animals and people, plants do not make sounds, and they cannot move from one place to another.

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Plants need four basic things in order to live and grow: food, water, air, and light. If a plant has these things, then it can survive--even in a little crack in the sidewalk.

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*The little flowering plant in this picture is called a dandelion. A few weeks ago, a tiny dandelion seed floated through the air and landed in this crack, where there was just enough **soil** for it to begin to grow.*

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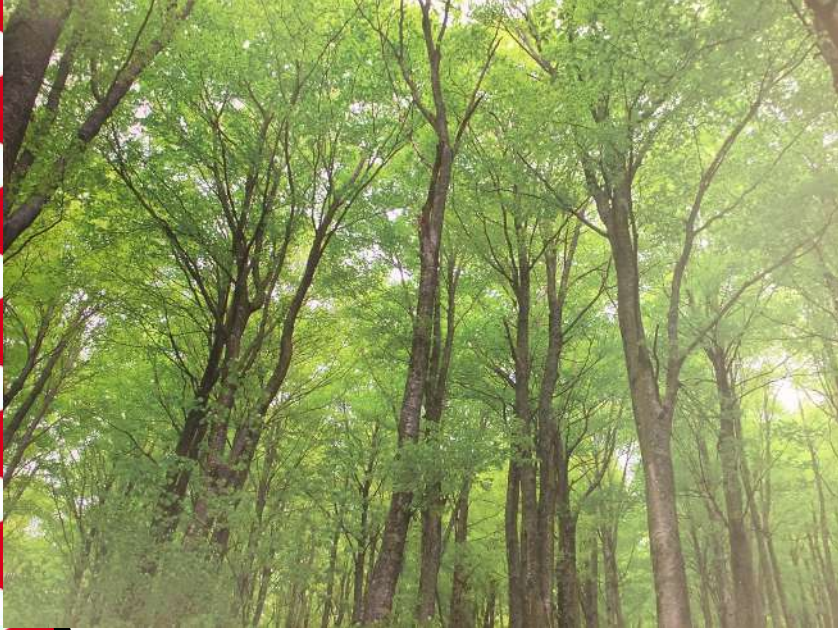
*Soil is the top layer of dirt where plants can grow. This dandelion gets plenty of sun here in the sidewalk, and it also gets plenty of air, water and **nutrients**.*

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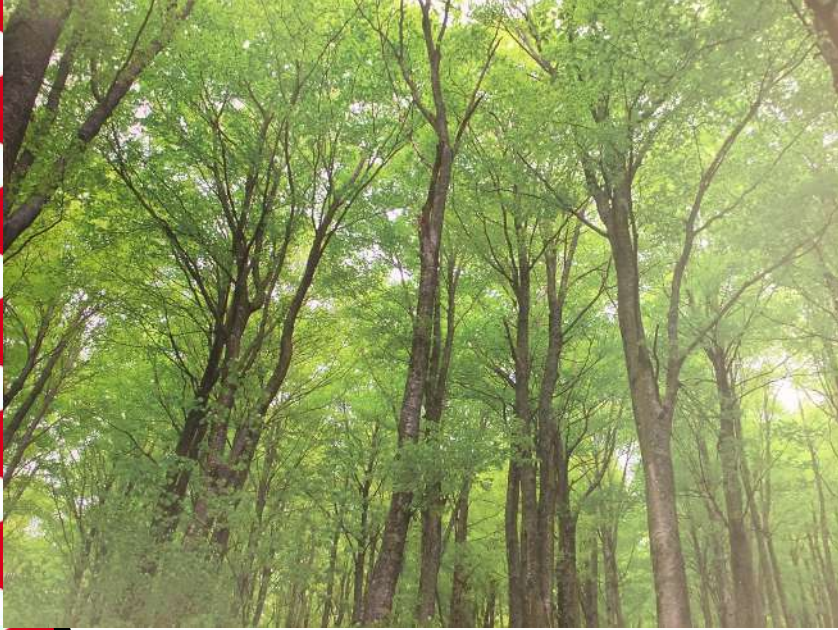
Nutrients *are like the vitamins you get from your food.*

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This shady forest is home to many different types of plants, from the tallest tree to the tiniest flower. A forest is a large area of land where many trees grow close together.

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*Animals that live in the forest depend on these plants for food and for their homes. This forest is just one **environment**--or place where living things live--of many on this earth.*

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This is another type of forest. There are some major differences between the colors and shapes of the leaves on these trees and the leaves on the trees in the last picture. In a later lesson, you will learn about two different types of trees.

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This environment looks very different from the forests we saw in the last images. All plants need food, water, air, and light. But, not every place in the world has exactly the same amount of food, water, air, or light. This is a desert, where it is hot and dry all year round.

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*Plants that grow here, such as this cactus, have adapted to a life in sandy soil with very little rainfall beneath the blazing hot sun. That tough little dandelion and the trees you saw earlier would wither and die if you tried to **plant** them here.*

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When you plant something, you place seeds or plants in the ground to grow.

**Have you ever planted a seed or a plant before?
What did you plant?**

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And the cactus in this desert would not be able to live in either the sidewalk crack or the forest! Different types of plants grow in different environments or places.

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This picture shows an underwater environment. Fish may be the first things that come to mind when you think about underwater life, but there are plants down there, too. Underwater plants need the same things other plants need, including food, water, air and light.

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This environment is not a forest, not a desert, and definitely not underwater. This is a city park, made when some people gathered seeds and planted them in the ground. People plant grass seeds on lawns and in parks so there are nice places to play and relax.

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People plant flowers and trees to make the world a prettier place.

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Some plants can be grown indoors. Maybe you even have one in your classroom. If so, someone needs to water it from time to time so it stays healthy and green.

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All plants have four basic needs-- food, water, air, and light. But not all plants can grow in all the same places on earth. A dandelion cannot grow in the desert, and a corn plant cannot grow underwater.

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Over the next several weeks you will learn all about different types of plants and plant parts, and you will understand why plants are so important to animals and people.

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Comprehension Questions:

Literal

PLEASE answer in
COMPLETE sentences.

Plants need four things to live. What four things do they need?

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Comprehension Questions:

Literal

PLEASE answer in
COMPLETE sentences.

Name some different places where plants live.

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PLEASE answer in COMPLETE sentences.

Comprehension Questions:

Inferential

*How are these plants the same
and how are they different?*

BOTH PLANTS need FOOD, water, air, and LIGHT
TO SURVIVE. THEY LIVE IN DIFFERENT PLACES or
environments.



Introduction to Plants

PLEASE answer in COMPLETE sentences.

Comprehension Questions:

Inferential

Are plants living or nonliving?
What did you learn about plants
in this read aloud that makes you
think they are living things?



Introduction to Plants

PLEASE answer in COMPLETE sentences.

Comprehension Questions:

Inferential

What do you think would happen if plants didn't have food, water, air, and light?



Think. Pair. Share.



I'm going to ask you a question. I will give you a minute to think about the question, and then I will ask you to turn to your neighbor and discuss the question. Finally I will call on several of you to share what you discussed with your partner.

Think. Pair. Share.



Evaluative:

Name one way that plants and animals are the same and one way that they are different.

Word Work

Explicit Vocabulary Instruction

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*In the read aloud you heard, “A few weeks ago, a tiny dandelion seed floated through the air and landed in this crack, where there was just enough **soil** for it to begin to grow.”*

*Say the word **soil** with me.*

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Soil is the part of the ground where plants are planted and grow.

The plant pushed its way through the **soil** as it grew.

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*What kinds of plants would you plant in **soil**?*

"I would plant _____ in the soil."

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*What's the word we have been talking
about?*

*Whisper it to the ceiling.
Whisper it to your neighbor.*