

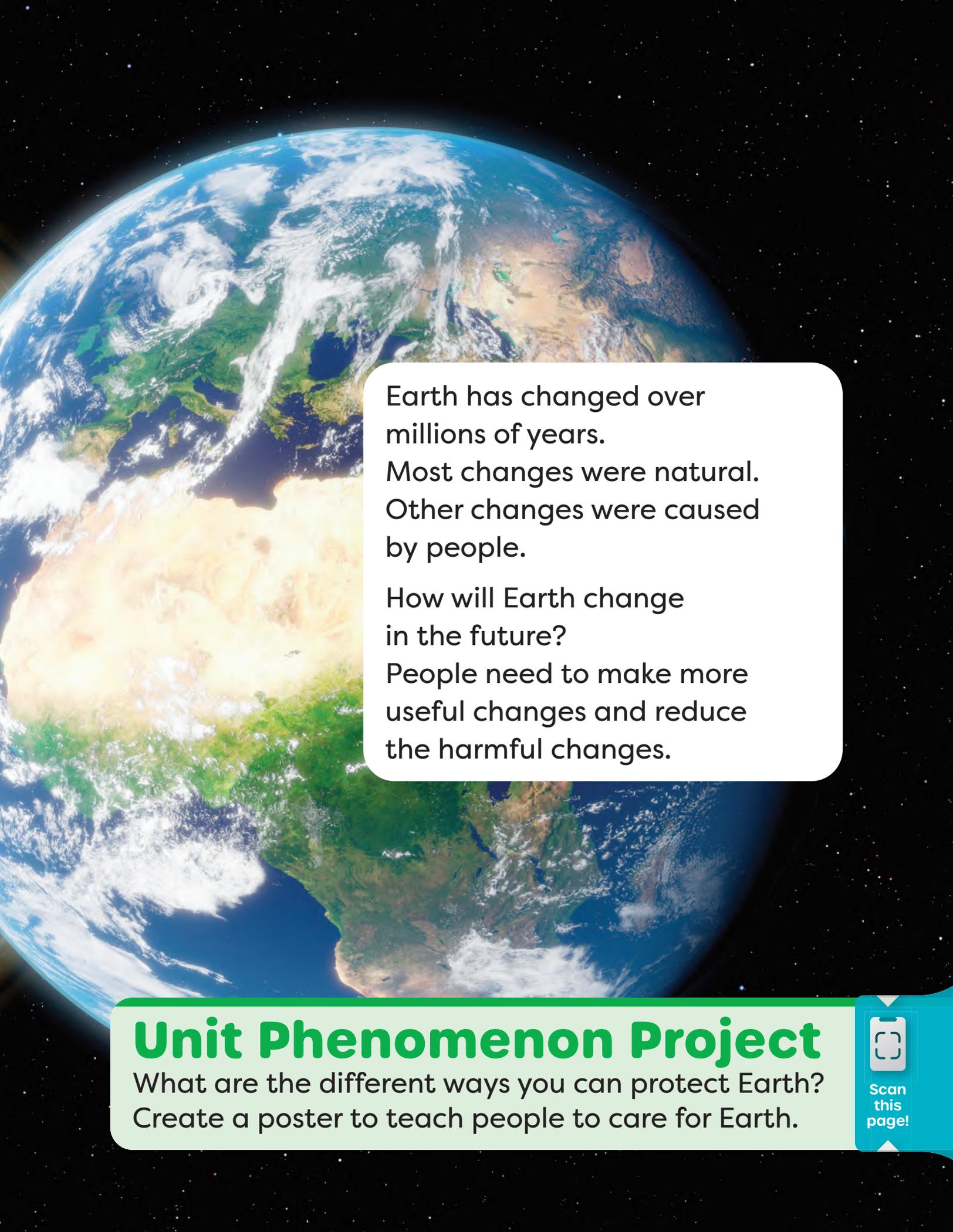
UNIT

**3**

# Living Things and Their Environment

**Chapter 3A:**  
Needs of Living Things

**Chapter 3B:**  
Environments



Earth has changed over millions of years.

Most changes were natural. Other changes were caused by people.

How will Earth change in the future?

People need to make more useful changes and reduce the harmful changes.

## Unit Phenomenon Project

What are the different ways you can protect Earth?  
Create a poster to teach people to care for Earth.



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# Needs of Living Things

## ? Essential Question

What do living things need to survive?

## Chapter Project

There are many kinds of living things in your environment. Make a model that shows the kinds of living things around you.

1. Choose an environment near you.
2. Take a box.  
Paint the inside of the box.  
Make it look like your environment.
3. Mold paper or clay into shapes of living things around you.  
Make the plants and animals you see in your environment.
4. Place them into your box.



Lesson  
**1**

# Needs of Plants

## Key Terms

plant      root      stem      leaf  
flower      pollen      seed

## Engage



### Living Things All Around Me



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1. What is happening in the picture?
2. What kinds of living things do you see in the picture?
3. What will happen if the girl moves to a new area?



## I See Trees!

In **Engage**, you observed living things in an outdoor environment.

Now, you will **Explore** one kind of living thing where you live.

1. Work in pairs.  
Find two trees in your environment.  
You can also look at pictures.
2. Draw each tree in the table.  
What parts do you notice?
3. Describe the parts of the trees that you can see.  
How do the bottom of the trees feel?  
What color is each tree?  
Are the trees tall or short?

Tree 1	Tree 2

How are the trees the same or different?

## Explain



### What Are Plants?

In **Explore**, you observed trees in your environment. Now, you will learn about other living things.

Have you ever played in the grass?

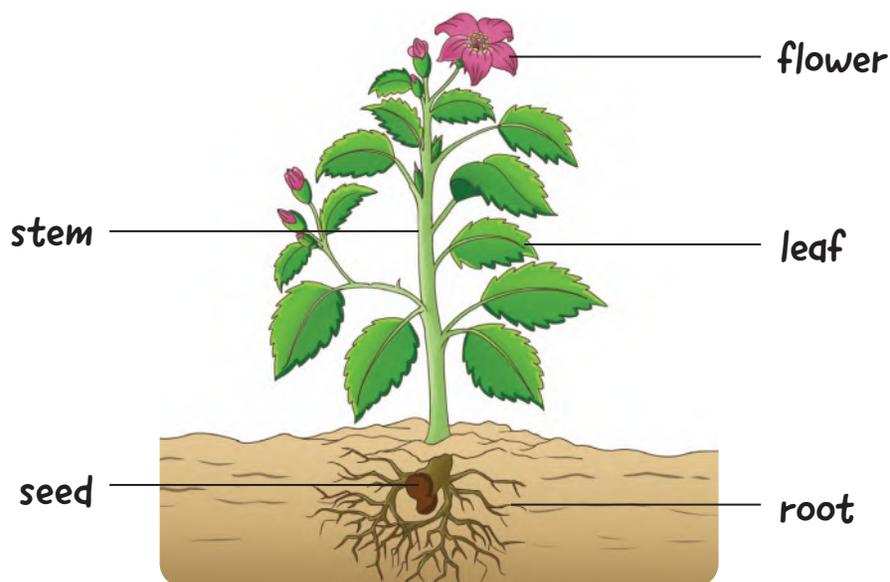
Smelled a flower?

Grass and flowers are **plants**.

Plants are living things!



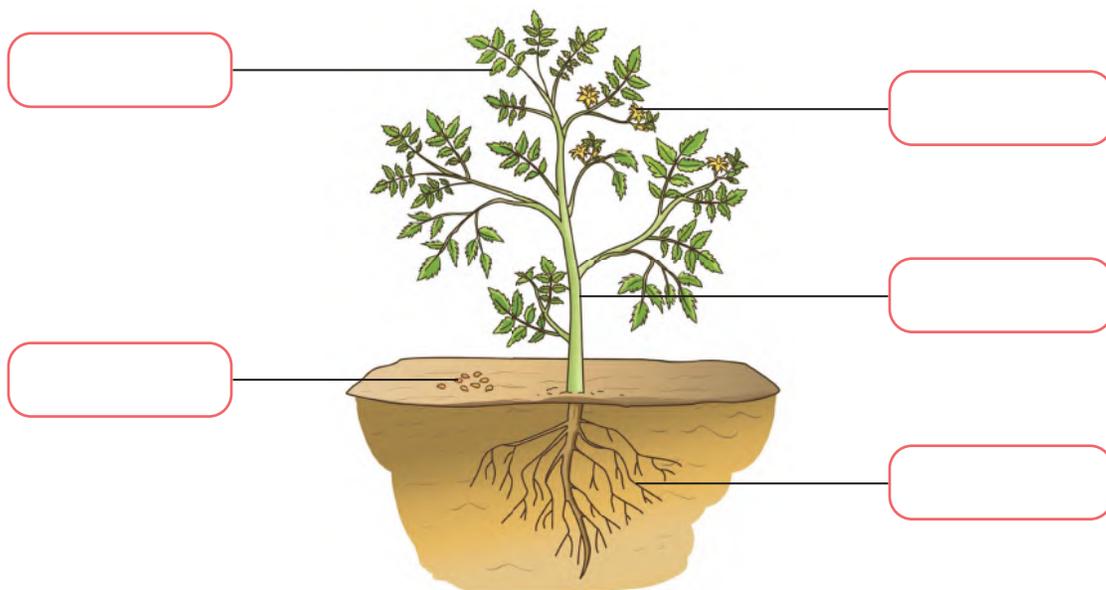
There are many kinds of plants.  
All plants have the same main parts.  
The diagram below shows the parts of a plant.



### ✓ Check Your Understanding

Fill in the missing words.  
Use the words below.

leaf      seed      roots      stem      flower



## What Do Plants Need to Survive?

You learned that plants have different parts. These parts help keep the plant healthy.

**Roots** help keep plants in the ground. Roots also take in water from the soil. Water helps plants live and grow.

