

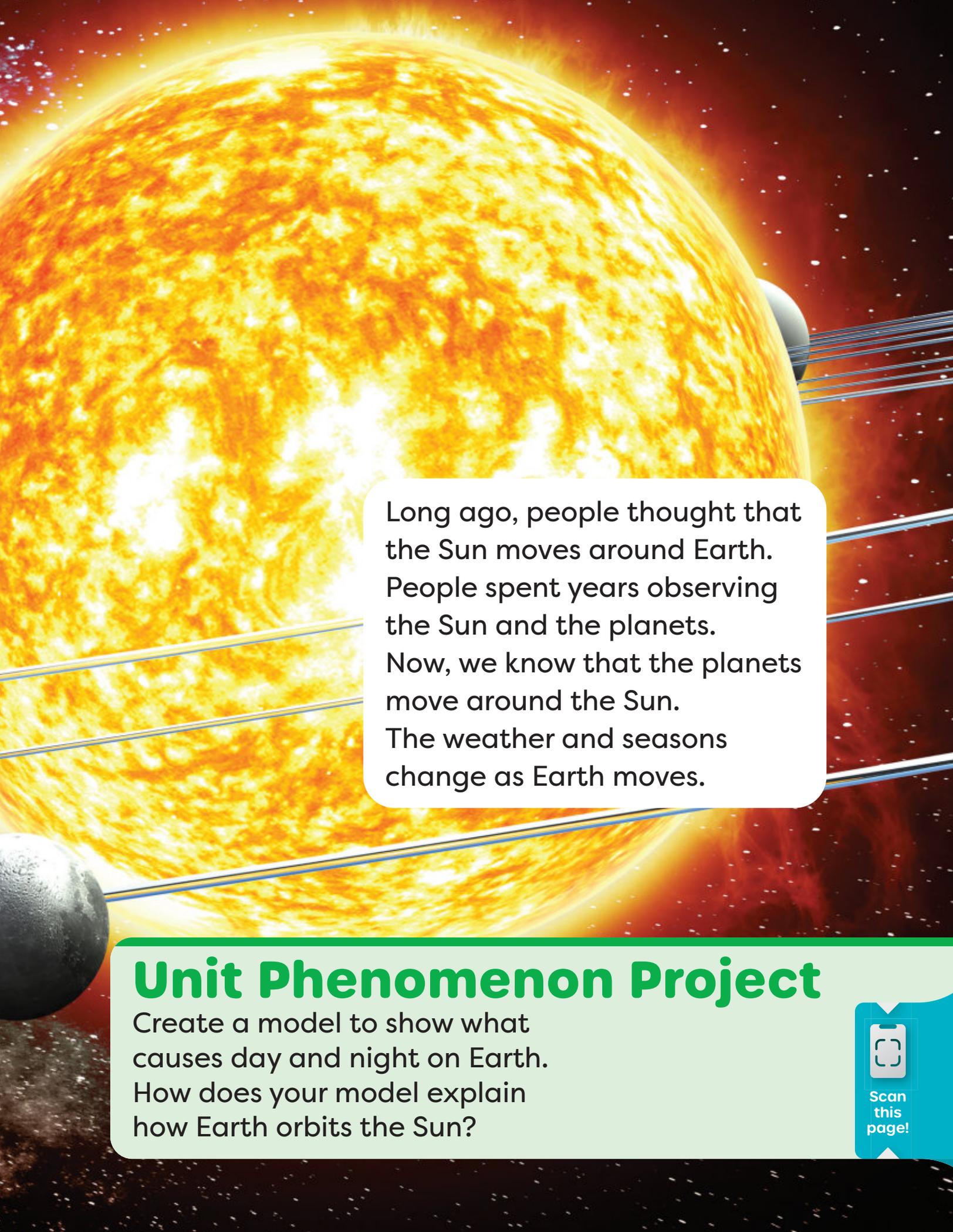
UNIT

2

# Earth's Place in the Universe

**Chapter 2A:**  
Sky and Earth

**Chapter 2B:**  
Weather and Seasons



Long ago, people thought that the Sun moves around Earth. People spent years observing the Sun and the planets. Now, we know that the planets move around the Sun. The weather and seasons change as Earth moves.

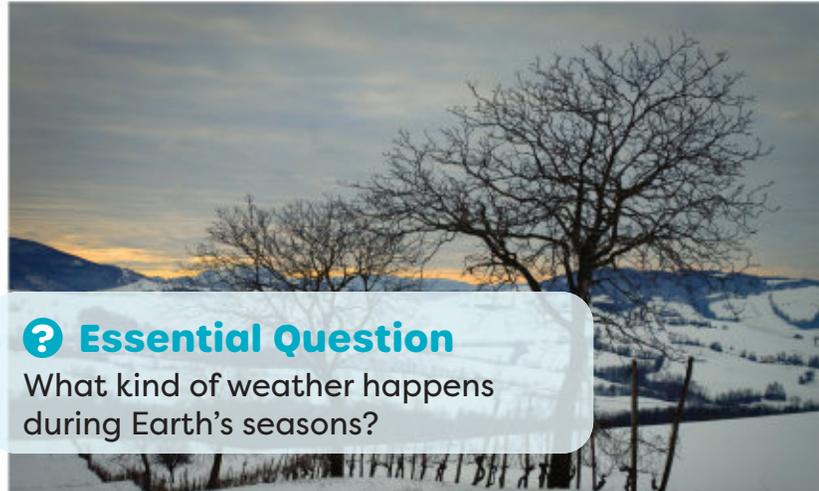
## Unit Phenomenon Project

Create a model to show what causes day and night on Earth. How does your model explain how Earth orbits the Sun?



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# Weather and Seasons



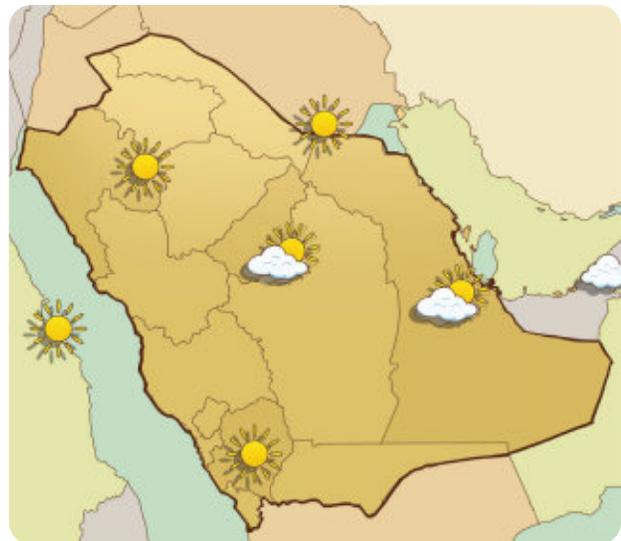
## ❓ Essential Question

What kind of weather happens during Earth's seasons?

## Chapter Project

Create a map to show what the weather is like where you live.

1. Use or draw a map of your area.
2. Search the Internet for the weather in some of the areas.
3. Draw symbols on your map to show the weather in each area.



## Lesson 1

# Types of Weather

### Key Term

weather map

### Recall

Circle the correct answers.

1. Most light and heat on Earth comes from the ( Moon / Sun ).
2. Earth rotates once each ( day / month / year ).

### Engage



Let's Pack!



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page!

1. What is happening in the picture?
2. What do you think the weather is like?
3. What will happen if the weather changes?



## Let's Pack for the Seasons

In **Engage**, you observed warm clothes in a suitcase. Now, you will **Explore** how you would pack for a trip during different seasons.

1. Pick a place to go to for a trip.
2. Think about what you would pack during a visit in winter. Draw the items in the table.
3. Repeat step 2 for spring, summer, and autumn.

<b>Winter</b>	
<b>Spring</b>	
<b>Summer</b>	
<b>Autumn</b>	

How did you decide what to pack for each season?

## Explain



### What Are the Seasons?

In **Explore**, you planned objects to pack for a trip in different seasons.

Now, you will take a closer look at how weather changes in each season.

There are four seasons on Earth.

Some places have all four seasons.

Some places only have some of the seasons.

In winter, the weather is cold.



The days are short in the winter.

This is because we get less daylight in the winter.

People dress warmly.

Some people like to play sports in the snow.

In spring, the weather begins to warm up.  
Plants start to grow.  
Flowers begin to bloom.



In summer, the weather gets warmer.  
The days are long.  
This is because we get more daylight in the summer.  
Many people try to stay cool.



In autumn, the weather begins to cool down again.  
Some plants begin to change color.  
Leaves fall to the ground.  
Autumn is also called fall.

