

# Science

## Plants

# Comparing Plants



# Aim

- To name and compare some common plants and trees.

# Success Criteria

- I can identify (name) some plants and trees.
- I can say how the plants and trees are similar.
- I can say how the plants and trees are different.
- I can sort plants and trees into groups.

# Meet Quizby!

Can you spot me in the  
**Lesson Presentation?**



The questions that appear will help you to think about the key learning throughout the lesson.



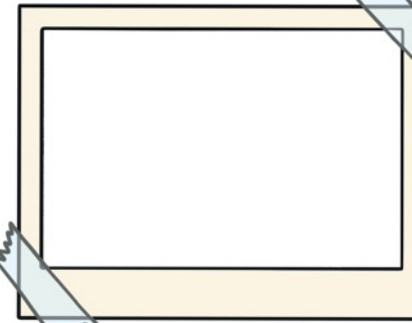
# Remember It

In our first lesson, we planted **seeds**  
Now let's have a look at them to see how they are growing.

On page 8 of your **Plant Diary** ,  
draw how the plant looks today.

Date: \_\_\_\_\_

Observational drawing of my plant:



Add labels to your drawing for the parts of the plants that have grown. You can use the words below to help you.

stem

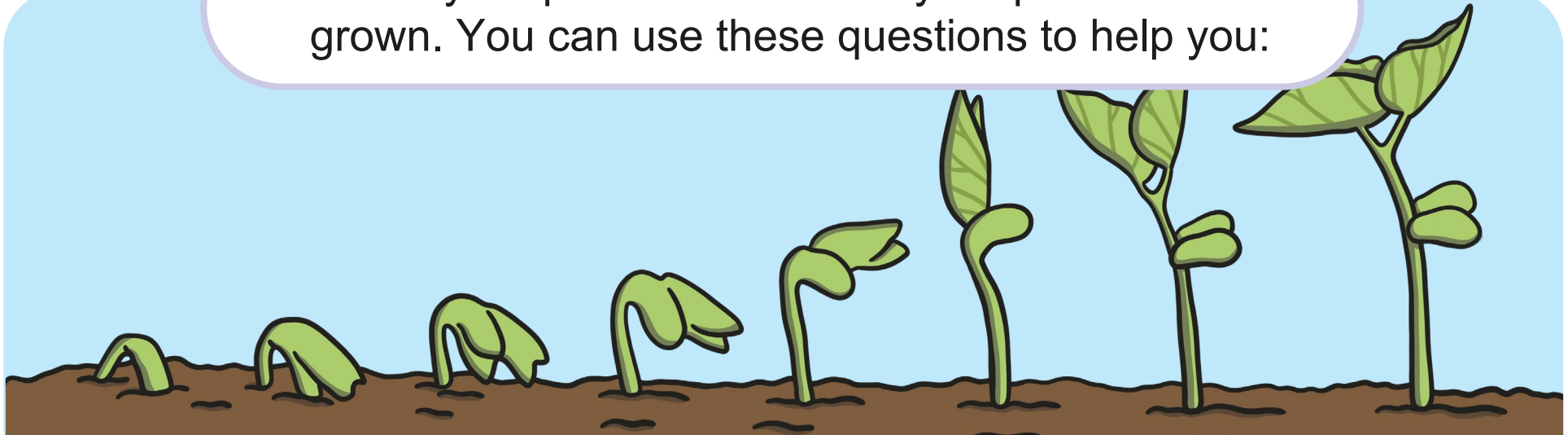
leaves

flowers

# Remember It



Talk to your partner about how your plants have grown. You can use these questions to help you:



Are they all the same size?

Does your plant have leaves and flowers?

Which part of your plant grew first?

How are the plants similar or different?



# Remember It

Can you name the parts of this plant with your partner?



flowers



leaves



stem



fruit



roots



# Remember It

Can you name the **parts** of this **plant** with your partner?

These are **leaves**.



This is **blossom**. In spring some deciduous plants have lots of flowers. We call this blossom.



This is **fruit**.



These are **branches**.



These are **roots**. Tree roots grow underground, but can sometimes be seen above ground like this.



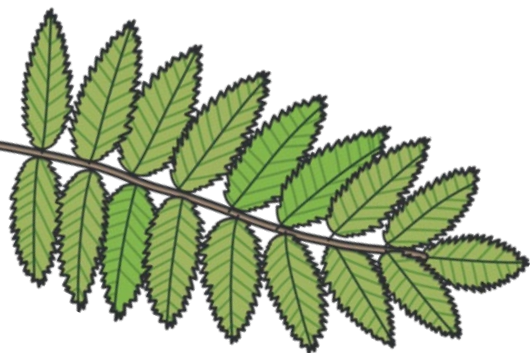
This is the **trunk**. The outside part of a trunk is called **bark**.







# Remember It



Discuss with your partner:

What does 'evergreen' mean?



What does 'deciduous' mean?



Can you name two **evergreen** trees?

Can you name two **deciduous** trees?



# Remember It

Can you remember what a **garden plant** is and what a **wild plant** is?

Explain to your partner.

Can you name two **wild plants** and two **garden plants** ?





# Remember It

What do **fruits** have that **vegetables** do not?

Seeds!

Can you name two **fruit plants** and two **vegetable plants**?



# Perfect Plants



Let's read the final pages of our **Perfect Plants eBook**, including a **quiz** about everything we have learnt and a **glossary** to check the meaning of key words!





# Comparing Plants

We are going to use everything we have learnt about plants to help us to **compare** them!

**Compare:** What is **similar** about them? What is **different** about them?

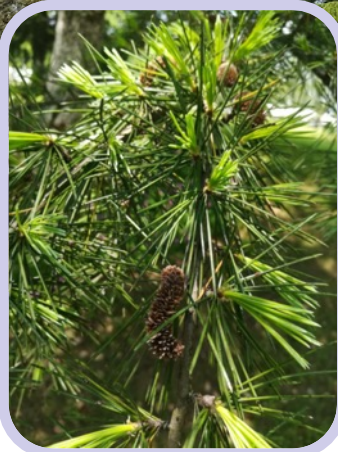
Look at the **two plants** on each slide with your partner and talk about how they are **similar** and how they are **different**.



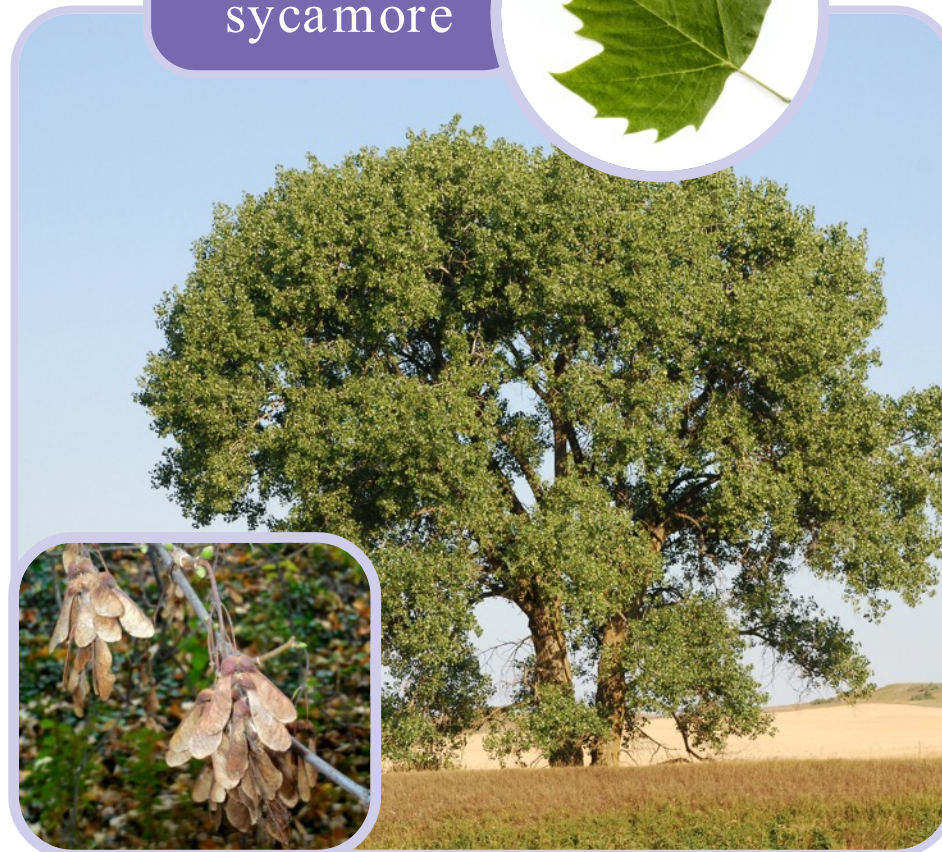
# Comparing Plants



cedar



sycamore



How are they **similar** ? How are they **different** ?



# Comparing Plants

## Similar

They both have green leaves.

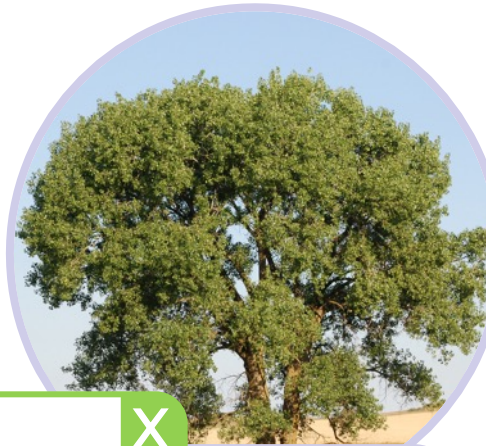
They both have a trunk.

They both have roots.

They both have branches.



cedar



sycamore

## Different

Sycamore has big, pointy leaves.

Cedar has sharp needles.

Cedar is **evergreen**.

Sycamore is **deciduous**.

The cedar tree has cones.

The sycamore tree has winged seeds.



Can you say how the trees are similar and different?

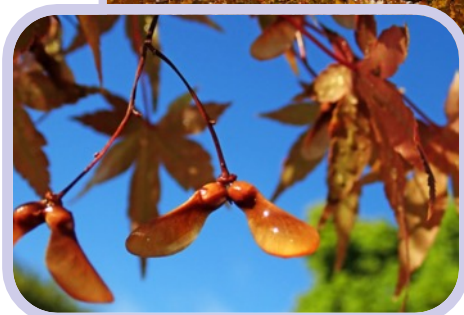




# Comparing Plants



maple



holly



How are they similar ? How are they different ?

Holly Tree™ by Smabs Spitzer is licensed under [CC BY 2.0](https://creativecommons.org/licenses/by/2.0/)





# Comparing Plants

## Similar

They both have leaves.

They both have a trunk.

They both have branches.

They both have roots.



maple



holly

## Different

Holly leaves are spiky and sharp.

Maple leaves are smooth and big.

Holly is an **evergreen** tree.

Maple is a **deciduous** tree.

The holly tree has berries.

The maple tree has winged seeds.



Can you say how the trees are similar and different?



# Comparing Plants



First level

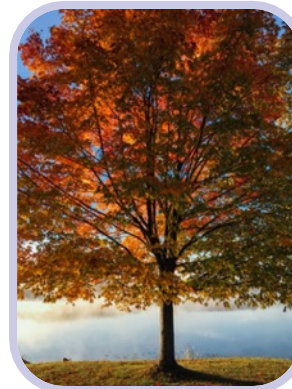
Click on the pictures to sort them.

Steps.

evergreen



deciduous



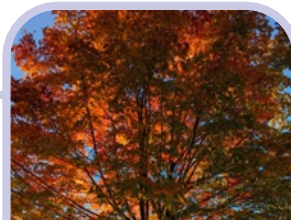


# Comparing Plants

Can we think of a **different** way to sort them?

?

?



Can you sort the trees into groups?

# Comparing Plants



rhubarb plant



potato plant



How are they similar ? How are they different ?



# Comparing Plants

## Similar

They both have green leaves.

They both have a roots.

They both have vegetables.

They both have flowers.



Can you say how the plants are similar and different?



rhubarb  
plant



potato  
plant

## Different

Rhubarb plants have very large leaves.

Potato plant leaves are quite small.

Potatoes grow under the ground.

Rhubarb grows above the ground.

# Comparing Plants



garlic plant



celery plant



How are they similar ? How are they different ?



# Comparing Plants

## Similar

They both have green leaves.

They both have a stem.

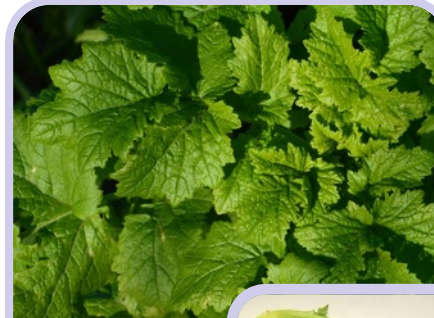
They both have roots.

They are both vegetables.

They both have small, white flowers.



garlic  
plant



celery



## Different

Celery plant leaves are bigger and pointy.

Garlic plant leaves are quite small and straight.

Garlic grows underground.

Celery grows above the ground.



Can you say how the plants are similar and different?

X



# Comparing Plants

Click on the pictures to sort them.

grows underground



grows above ground







# Comparing Plants

Can we think of a **different** way to **sort** them?

?

?



Can you sort the plants into groups?

X



# Comparing and Sorting

Working in pairs or small groups, you are going to be **comparing** and **sorting** different plants.

Use the **Plant Photographs**, **Group Labels** and **Question Cards** to help you.

What shape are the leaves?

Are there any **flowers**?  
What colour are they?  
What shape are they?

Does the plant have **fruit**?

Is the plant a **garden** plant?



Science Year 1 (Plants) Comparing Plants Lesson 6



garlic plant



sunflowers



sweet pea



beech tree



# How We Sorted the Plants

Let's look at how we all sorted these plants.  
How did you choose to sort them and why?



apple tree



cedar tree



tomato plant

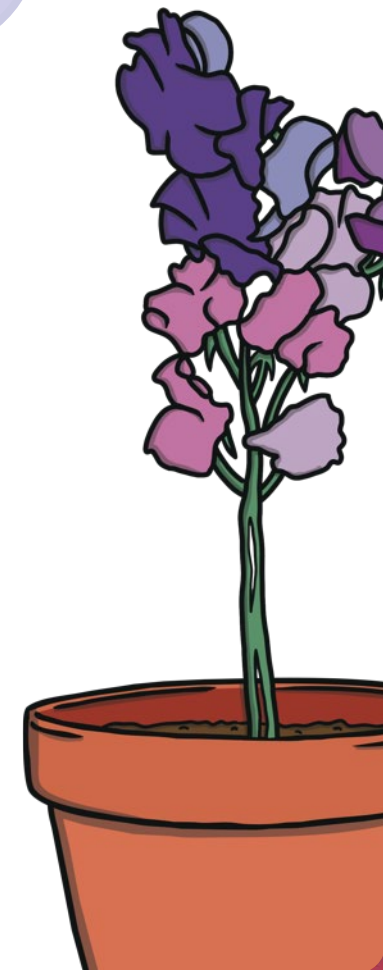
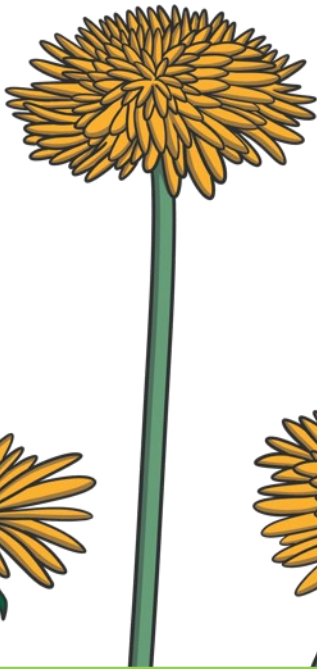


cucumber plant



# How We Sorted the Plants

Let's look at how we all sorted these plants.  
How did you choose to sort them and why?



Can you sort plants into groups?



# Aim



- To name and compare some common plants and trees.

# Success Criteria

- I can identify (name) some plants and trees.
- I can say how the plants and trees are similar.
- I can say how the plants and trees are different.
- I can sort plants and trees into groups.













# Science: Comparing Plants

<p><b>Aim</b>  <b>Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees</b>  <b>Using their observations and ideas to suggest answers to questions.</b>  <b>To name and compare some common plants and trees.</b></p>		<p><b>Lesson Duration</b>            All timings are approximate.</p> <p style="text-align: right;"><b>70 mins</b></p>
<p><b>Success Criteria</b>  <b>I can identify (name) some plants and trees.</b>  <b>I can say how the plants and trees are similar.</b>  <b>I can say how the plants and trees are different.</b>  <b>I can sort plants and trees into groups.</b></p>		
<p><b>Resources That May Need Purchasing</b>            A variety of live plants (if required)            You may wish to use sorting hoops for the practical activity if these are available (optional)</p>	<p><b>Preparation</b>  <b>Question Cards</b> - per pair or small group  <b>Group Labels</b> - per pair or small group            Differentiated <b>Comparing Plants Activity Sheet</b> - per child            Differentiated <b>Plant Photographs Pack</b> - per pair or small group  <b>Plants Photo Pack</b> - per pair or small group  <b>Plants Photo Pack with Headings</b> - per pair or small group</p>	
<p><b>Key Vocabulary</b>  <b>Plant, wild plant, weed, garden plant, deciduous, evergreen, roots, stem, leaves, flowers, fruit,</b> compare, similar, different, sort, groups.</p>		

**Prior Learning:** In the previous lesson, children learnt to identify and sort fruit and vegetable plants.

## Learning Sequence

	<p><b>Remember It:</b> Allow the children 5 minutes to make an observational drawing of their plants in their <b>Plant Diary</b>. Then allow them 5 minutes to discuss the questions on the <b>Lesson Presentation</b> with a partner. It is recommended that the plants remain in school after the completion of this unit, so that the children can continue to observe them over time.</p> <p>Using the slides in the <b>Lesson Presentation</b>, recap the learning from the previous lessons, allowing the children time to discuss the questions in pairs.</p>	<p><b>15 mins</b></p>
	<p><b>Perfect Plants:</b> Read pages 35-40 of the <b>Perfect Plants eBook</b> together on the <b>Lesson Presentation</b>, reviewing everything the children have learnt so far with the quiz and discussing the meanings of any unfamiliar words using the glossary.</p>	<p><b>5 mins</b></p>
	<p><b>Comparing Plants:</b> Explain the meaning of the word 'compare' using the <b>Lesson Presentation</b>. Use the photographs and the prompts on the following slides to ask the children to compare the plants they see. Allow the children time to discuss what they can see in pairs. Use the list of similarities and differences on the next slide and ask the children to share any others they have. Repeat with the following plants.</p> <p>Use the <b>Lesson Presentation</b> to show the children how the plants can be sorted into different groups using some of the similarities and differences they have found. Repeat this with the vegetable plants.</p> <p><b>Can the children identify the plants and explain the ways they are similar and the ways they are different?</b></p>	<p><b>15 mins</b></p>

	<p><b>Comparing and Sorting:</b> Children will work in pairs or small groups to compare the plants, using the <b>Photo Packs</b> and supported by suitable real-life plants (supervised closely) if available.</p> <p><b>Can the children identify similarities and differences between plants and use this to sort them into groups?</b></p> <div style="display: flex; justify-content: space-between;"> <div data-bbox="245 232 593 600"> <p> With support, children use the <b>Question Cards</b> to look for similarities and differences between the plants in the <b>Plants Photo Pack with Headings</b>. They then use the <b>Group Labels</b> to choose two groups to sort the plants into. This could be recorded through photography.</p> </div> <div data-bbox="625 232 973 600"> <p> Children use the <b>Question Cards</b> to help them to compare the plants in the <b>Plants Photo Pack</b>.</p> <p>They then choose two groups from the <b>Group Labels</b> to sort the plants into, recording these on the <b>Comparing Plants Activity Sheet</b>.</p> </div> <div data-bbox="1005 232 1353 600"> <p> Children compare the plants in the <b>Plants Photo Pack</b>, making a list of their similarities and differences on the <b>Comparing Plants Activity Sheet</b>. They then choose their own groups to sort the plants into, recording these on the sheet.</p> </div> </div>	
	<p><b>How We Sorted the Plants:</b> Using the <b>Lesson Presentation</b>, ask the children to name the plants and to offer their ideas for the similarities and differences they found between them. Which groups did they sort these plants into? Why? Repeat with the plants on the next slide.</p> <p><b>Can the children sort plants and trees into groups?</b></p>	

### Exploreit

**Findit:** Take the children outside to collect samples of leaves, petals or flowers or fruits that have fallen to the ground. Children use secondary sources such as suitable non-fiction books and the **Perfect Plants eBook** to try to identify the plant.

**Createit:** Children create their own identification posters for British trees or plants. These could include what each plant looks like, whether it is evergreen or deciduous and its leaf and flower shape.

### Reasonit

Children discuss **Reasoning Cards: Comparing Plants**. Children look at the groups on the card and explain why the plants have been sorted in this way.



## Assessment

<b>Scientific Knowledge</b>	
<b>Working Towards the Expected Level</b>	Children:
With support, children can identify and name some common wild and garden plants, including deciduous and evergreen trees.	
<b>Working At the Expected Level</b>	Children:
Children can identify and name a variety of common wild and garden plants, including deciduous and evergreen trees.	
<b>Working At Greater Depth</b>	Children:
Children can identify and name a wide variety of common wild and garden plants, including deciduous and evergreen trees.	
<b>Working Scientifically</b>	
<b>Working Towards the Expected Level</b>	Children:
With support, children begin to identify similarities and differences between plants.	
<b>Working At the Expected Level</b>	Children:
Children can identify similarities and differences between plants and begin to sort them according to a given criteria.	
<b>Working At Greater Depth</b>	Children:
Children can identify similarities and differences between plants and sort them both according to a given criteria and their own criteria.	

To name and compare some common plants and trees.				Date:					
				Delivered By:			Support:		
Success Criteria	Me	Friend	Teacher	T	PPA	S	I	AL	GP
I can identify (name) some plants and trees.				Notes/Evidence					
I can say how the plants and trees are similar.									
I can say how the plants and trees are different.									
I can sort plants and trees into groups.									
Next Steps									
<ul style="list-style-type: none"> <li>_____</li> <li>_____</li> </ul>									

<b>T</b>	Teacher	<b>I</b>	Independent
<b>PPA</b>	Planning, Preparation and Assessment	<b>AL</b>	Adult Led
<b>S</b>	Supply	<b>GP</b>	Guided Practice

To name and compare some common plants and trees.				Date:					
				Delivered By:			Support:		
Success Criteria	Me	Friend	Teacher	T	PPA	S	I	AL	GP
I can identify (name) some plants and trees.				Notes/Evidence					
I can say how the plants and trees are similar.									
I can say how the plants and trees are different.									
I can sort plants and trees into groups.									
Next Steps									
<ul style="list-style-type: none"> <li>_____</li> <li>_____</li> </ul>									

<b>T</b>	Teacher	<b>I</b>	Independent
<b>PPA</b>	Planning, Preparation and Assessment	<b>AL</b>	Adult Led
<b>S</b>	Supply	<b>GP</b>	Guided Practice

Plants | Comparing Plants

To name and compare some common plants and trees.		
I can identify (name) some plants and trees.		
I can say how the plants and trees are similar.		
I can say how the plants and trees are different.		
I can sort plants and trees into groups.		

Plants | Comparing Plants

To name and compare some common plants and trees.		
I can identify (name) some plants and trees.		
I can say how the plants and trees are similar.		
I can say how the plants and trees are different.		
I can sort plants and trees into groups.		

Plants | Comparing Plants

To name and compare some common plants and trees.		
I can identify (name) some plants and trees.		
I can say how the plants and trees are similar.		
I can say how the plants and trees are different.		
I can sort plants and trees into groups.		

Plants | Comparing Plants

To name and compare some common plants and trees.		
I can identify (name) some plants and trees.		
I can say how the plants and trees are similar.		
I can say how the plants and trees are different.		
I can sort plants and trees into groups.		

Plants | Comparing Plants

To name and compare some common plants and trees.		
I can identify (name) some plants and trees.		
I can say how the plants and trees are similar.		
I can say how the plants and trees are different.		
I can sort plants and trees into groups.		

Plants | Comparing Plants

To name and compare some common plants and trees.		
I can identify (name) some plants and trees.		
I can say how the plants and trees are similar.		
I can say how the plants and trees are different.		
I can sort plants and trees into groups.		

Plants | Comparing Plants

To name and compare some common plants and trees.		
I can identify (name) some plants and trees.		
I can say how the plants and trees are similar.		
I can say how the plants and trees are different.		
I can sort plants and trees into groups.		

Plants | Comparing Plants

To name and compare some common plants and trees.		
I can identify (name) some plants and trees.		
I can say how the plants and trees are similar.		
I can say how the plants and trees are different.		
I can sort plants and trees into groups.		