

# Little Professor Tree Activity Sheets



**Greening, Landscape and Tree Management Section  
Development Bureau**

# What is a Tree

Do you know how to distinguish trees and shrubs?  
Finish the maze and you will find the answer.

**START** →

Is it a plant with a single main trunk?

NO →

YES →

Is it usually a smaller plant with several stems above ground?

← YES

← NO

Does it have a woody main trunk?

← YES

← NO

Does it grow to a height of 3 meters or more and have a crown?

← NO

YES →

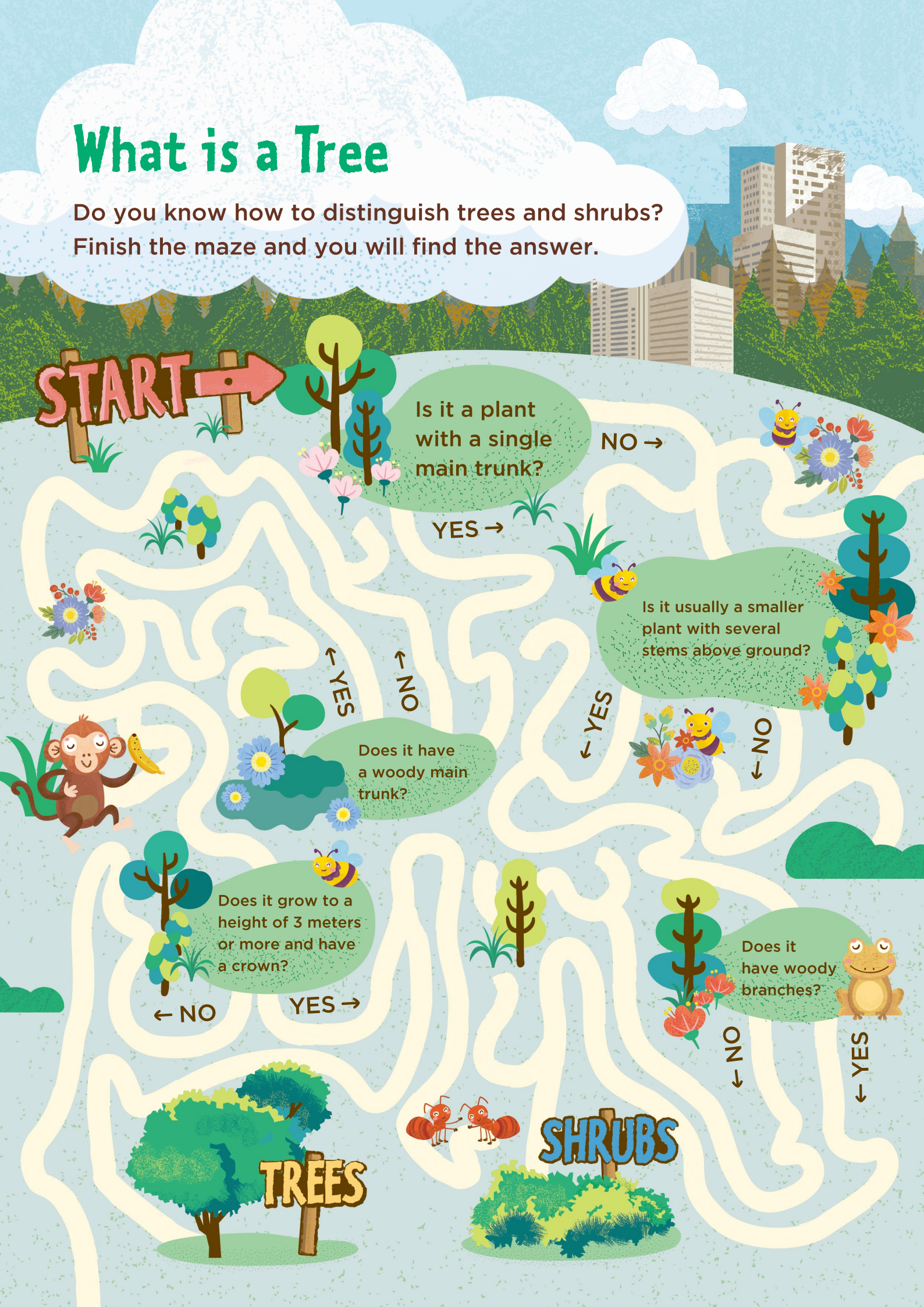
Does it have woody branches?

← NO

← YES

**TREES**

**SHRUBS**



# Types of Trees

Trees are mainly classified into two types:  
Broadleaved trees and Conifers.



Count the number of trees of each type



## BROADLEAVED

- Mostly these trees have wide, flat leaves, flowers and fruits.
- Some broadleaved trees shed their leaves in autumn and grow new ones in spring.



## CONIFER

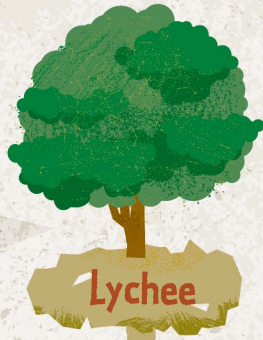
- Mostly these trees have long, thin leaves called needles and cones.
- They usually keep their leaves all year around.



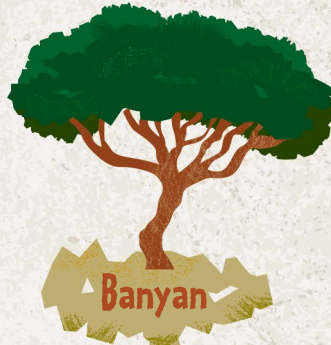
# Tree Shapes



Hoop Pine



Lychee



Banyan



Willow



Cypress

## PYRAMIDAL

These trees are shaped like a pyramid. They are broad at the base and narrow at the top.

## WEeping

A weeping tree has branches that droop downwards.

## SPREADING

These trees have a spreading shape that may be wider than its tall.

## COLUMNAR

These trees are shaped just like a column. They are tall and thin.

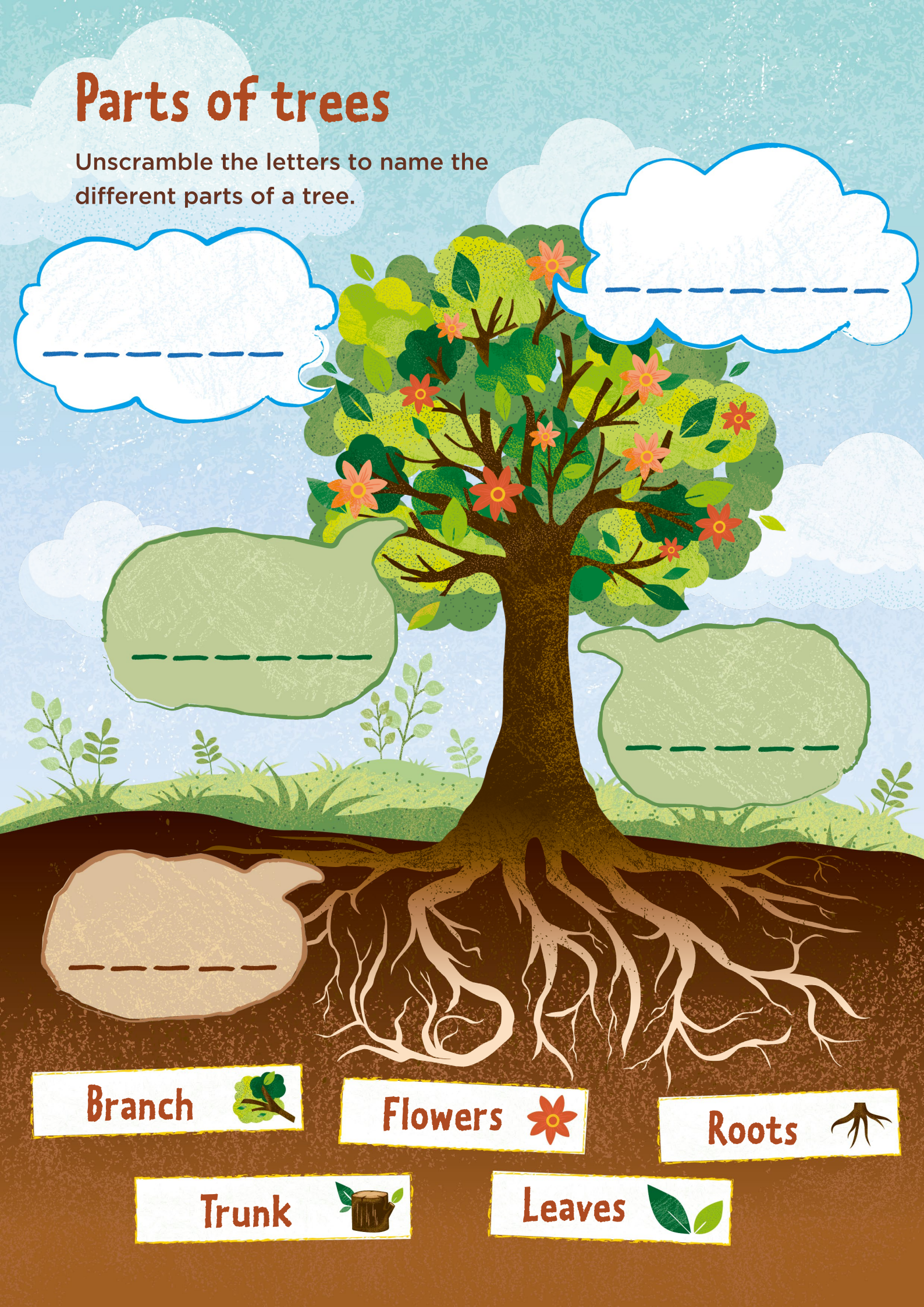
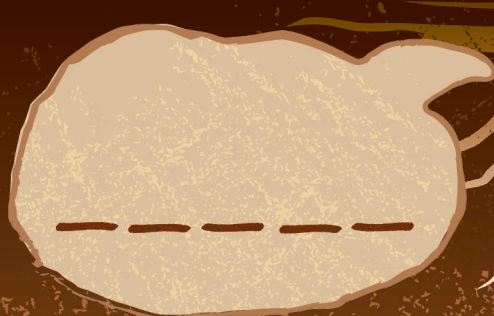
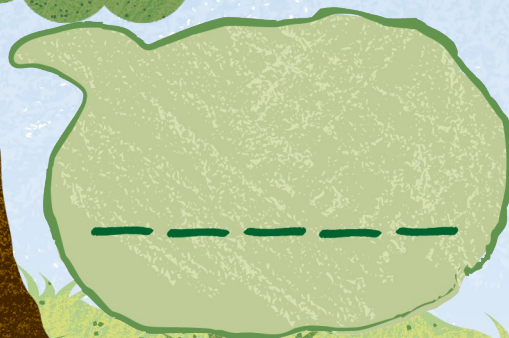
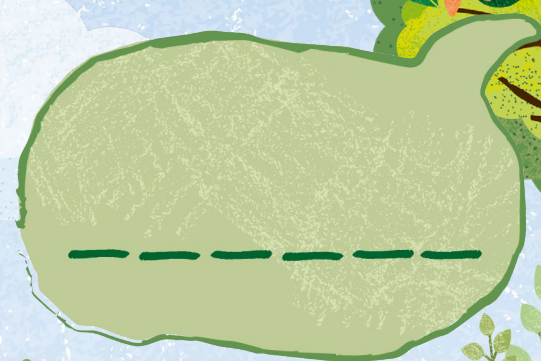
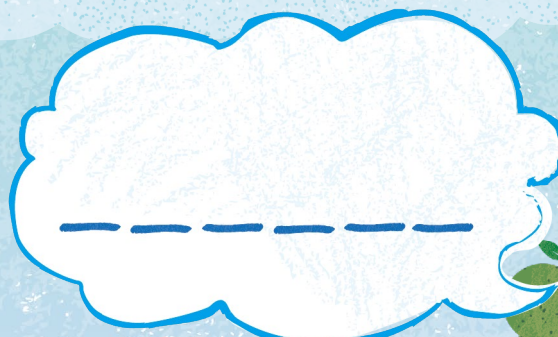
## ROUND

These trees are upright, with a round shape crown.



# Parts of trees

Unscramble the letters to name the different parts of a tree.





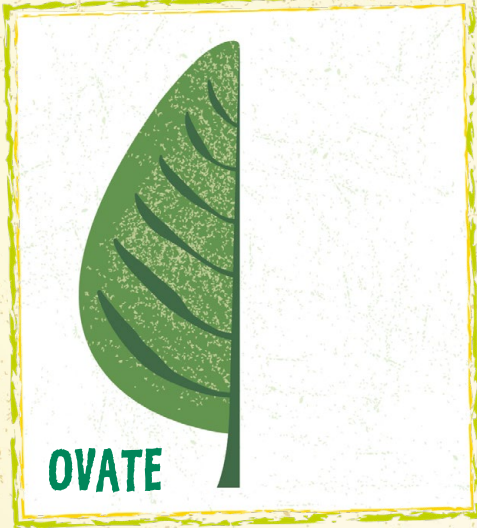
**ELLIPTIC**

# Leaf Shapes

If you observe some leaf shapes, you will find that some leaves are symmetrical. Draw the other side of the leaves below.



**OBLONG**



**OVATE**



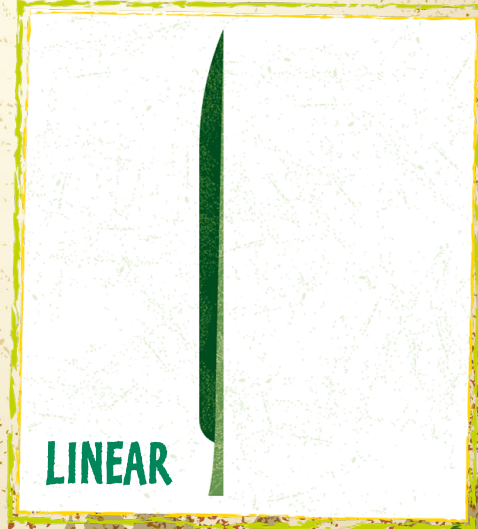
**CORDATE**



**ORBICULAR**



**LANCEOLATE**



**LINEAR**



# Life Cycle of Trees

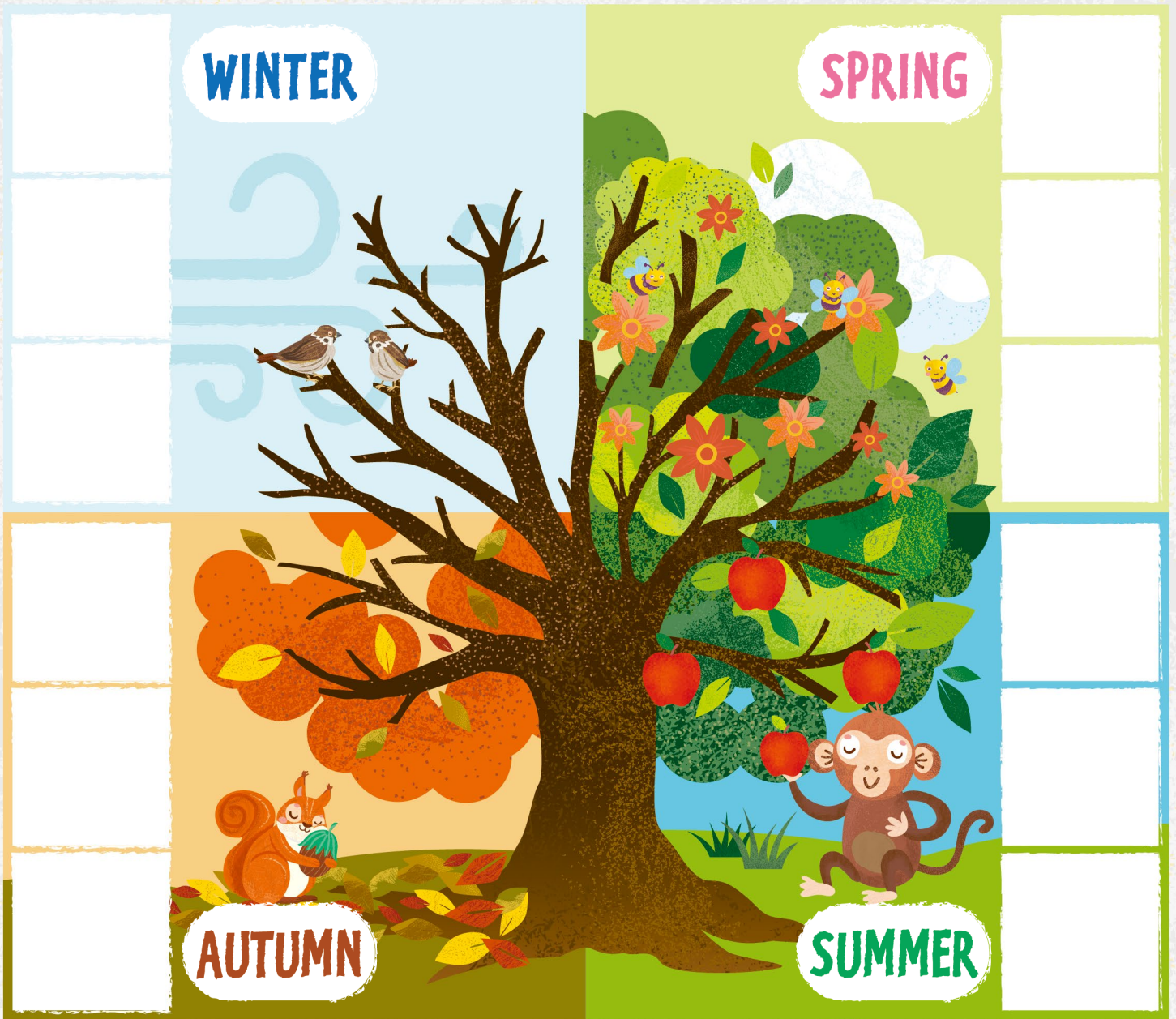
There are mainly 5 stages of tree growth.

Complete the puzzle below to see how a tree grows.



# Seasonal Tree Cycle of Deciduous Trees

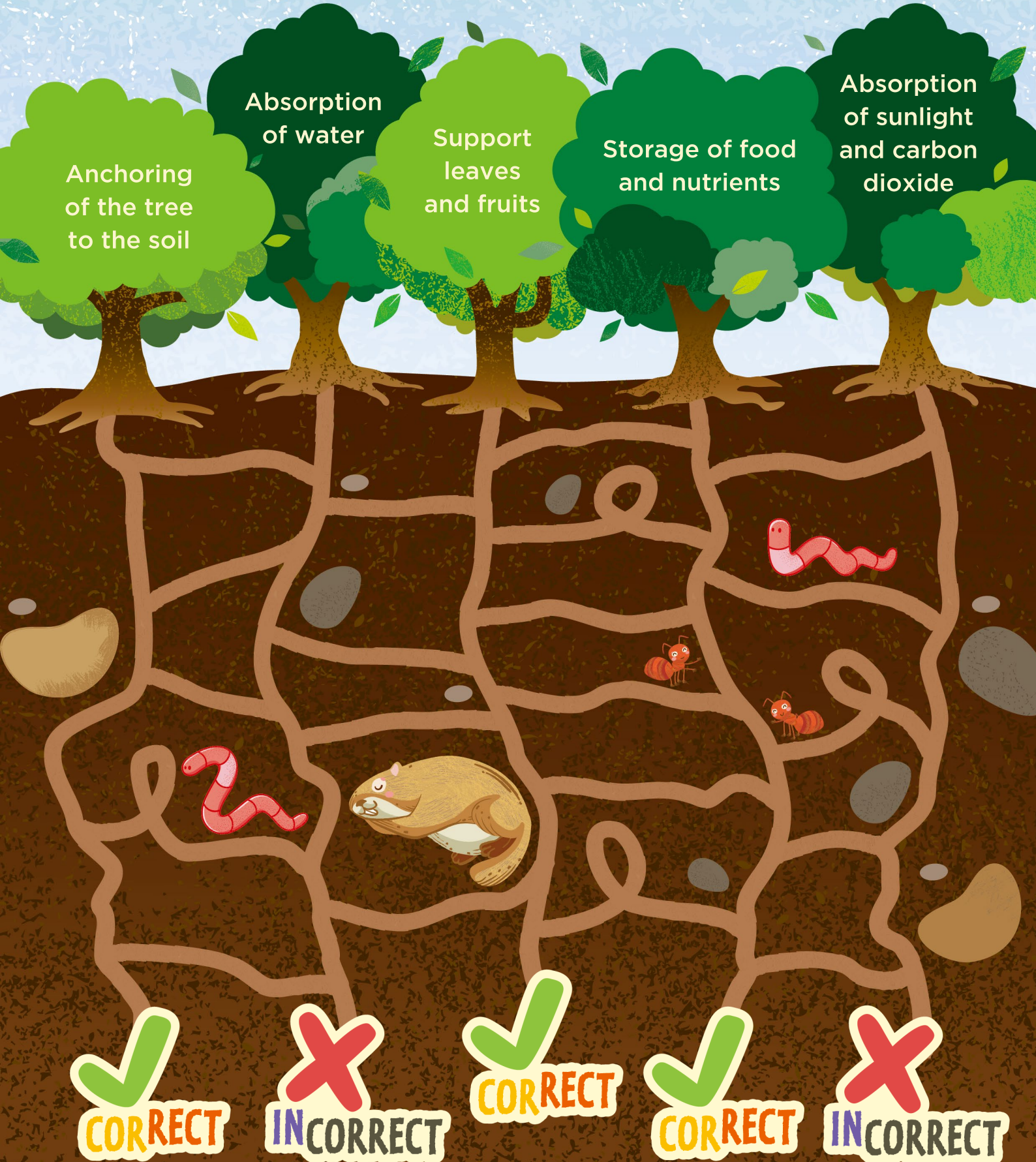
Cut out the pictures and paste them in the right seasons.





# Secrets of Tree Roots

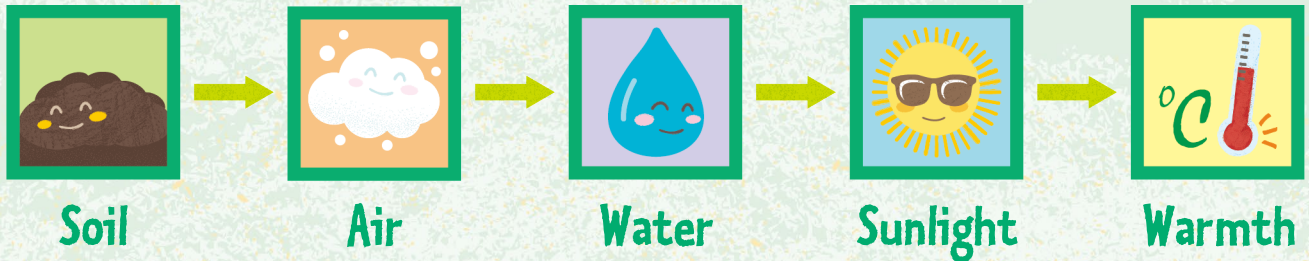
Generally, tree roots grow under the soil. Do you know its functions?



# What makes tree grow?

Trees grow with the following 5 elements.

Follow the order below to help a seed grows to a tree.



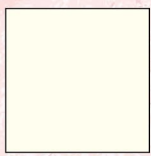
 <b>SEED</b>							
							
							
							
							
							
							
					<b>TREE</b>  		
							

# Blossom and Fruits

1. Please cut out the cootie catcher along the dotted line.
2. Follow these step by step instructions to create the cootie catcher.

**How to play:**

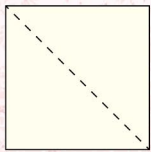
1. Game host places both of your thumbs and first fingers inside the bottom pockets of the cootie catcher.
2. Other players pick "Blossom", "Flowers", "Ripeness" or "Fruits" and tell the number of moves.
3. Game host switches the cootie catcher for the number of moves chosen, then asks the players the corresponding question of "Blossom", "Flowers", "Ripeness" or "Fruits".
4. After answering, game host reads out the answer on the inside flap.



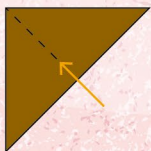
cut out



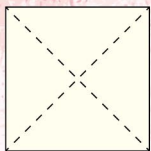
fold over



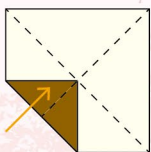
unfold



fold over

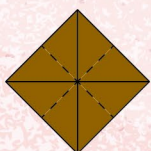


unfold

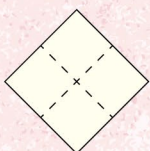


fold all 4 corners

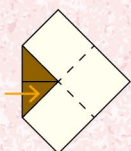
<b>BLOSSOM</b> Please name a flowering tree	Tree Cotton, Hong Kong Orchid Tree, Yellow Pui	Please tell the color of Tree Cotton flower	<b>FLOWERS</b>
Please name a tree that has fragrant flowers	White Jade Orchid Tree, Frangipani	<b>Red</b>	Please name the flower emblem of Hong Kong
Please name a kind of fruit tree	Longan, Lychee	Taiwan Acacia Flame Tree, Golden-shower, a tree that bears pods	<b>FRUITS</b>
<b>RIPENESS</b>		<b>Reproduction</b>	Please tell us what the function of seeds in the fruit
		<b>Berry Soap</b>	Please name a kind of tree that its fruits can be used to wash clothes



looks like this



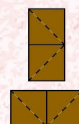
turn it over



fold corners over



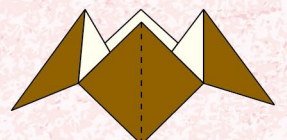
looks like this



fold in half



open 4 corners

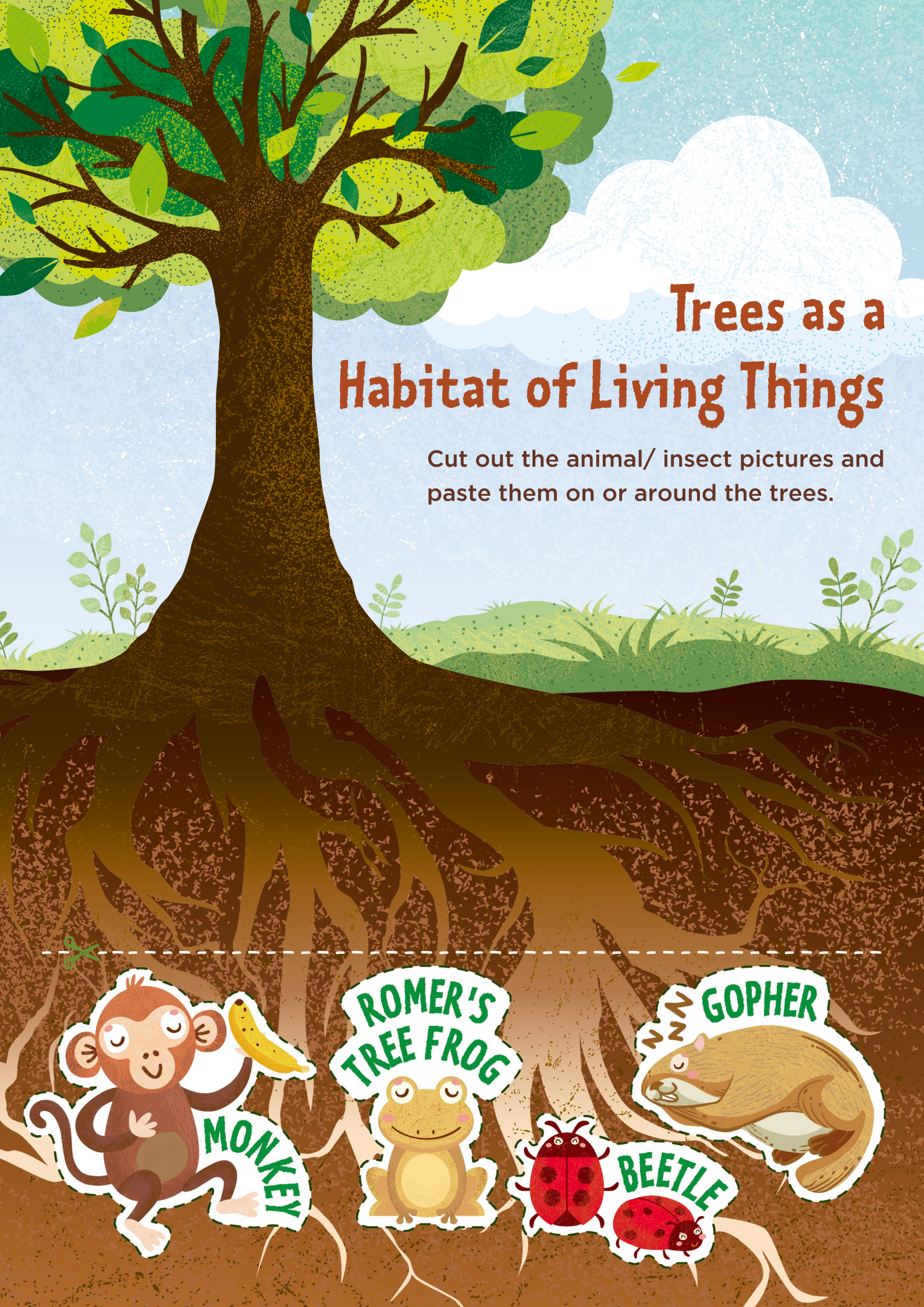


finished

# Trees as a Habitat of Living Things

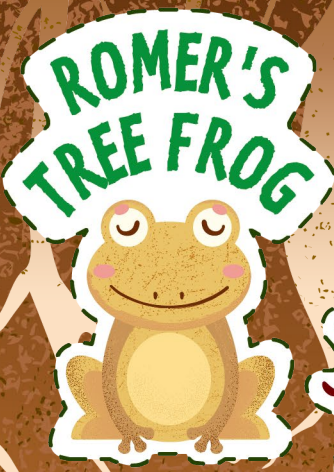
Cut out the animal pictures and paste them on or around the trees.





# Trees as a Habitat of Living Things

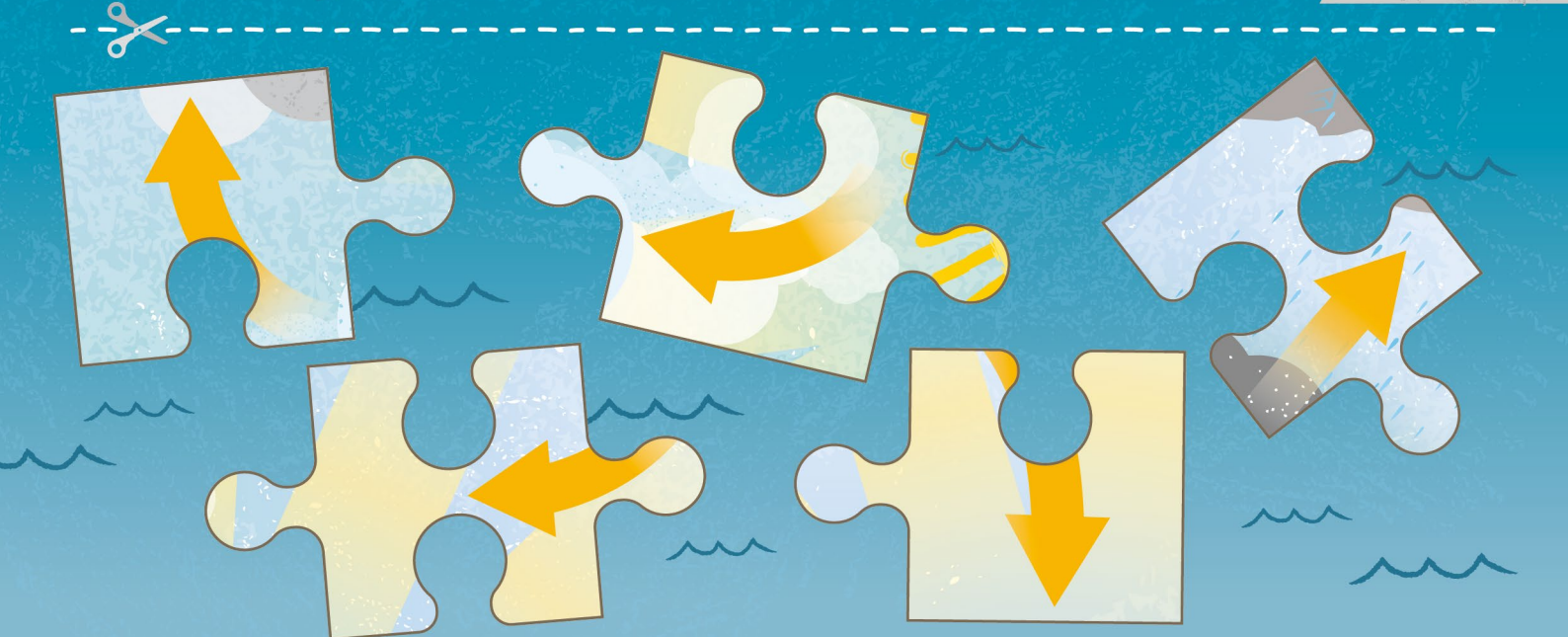
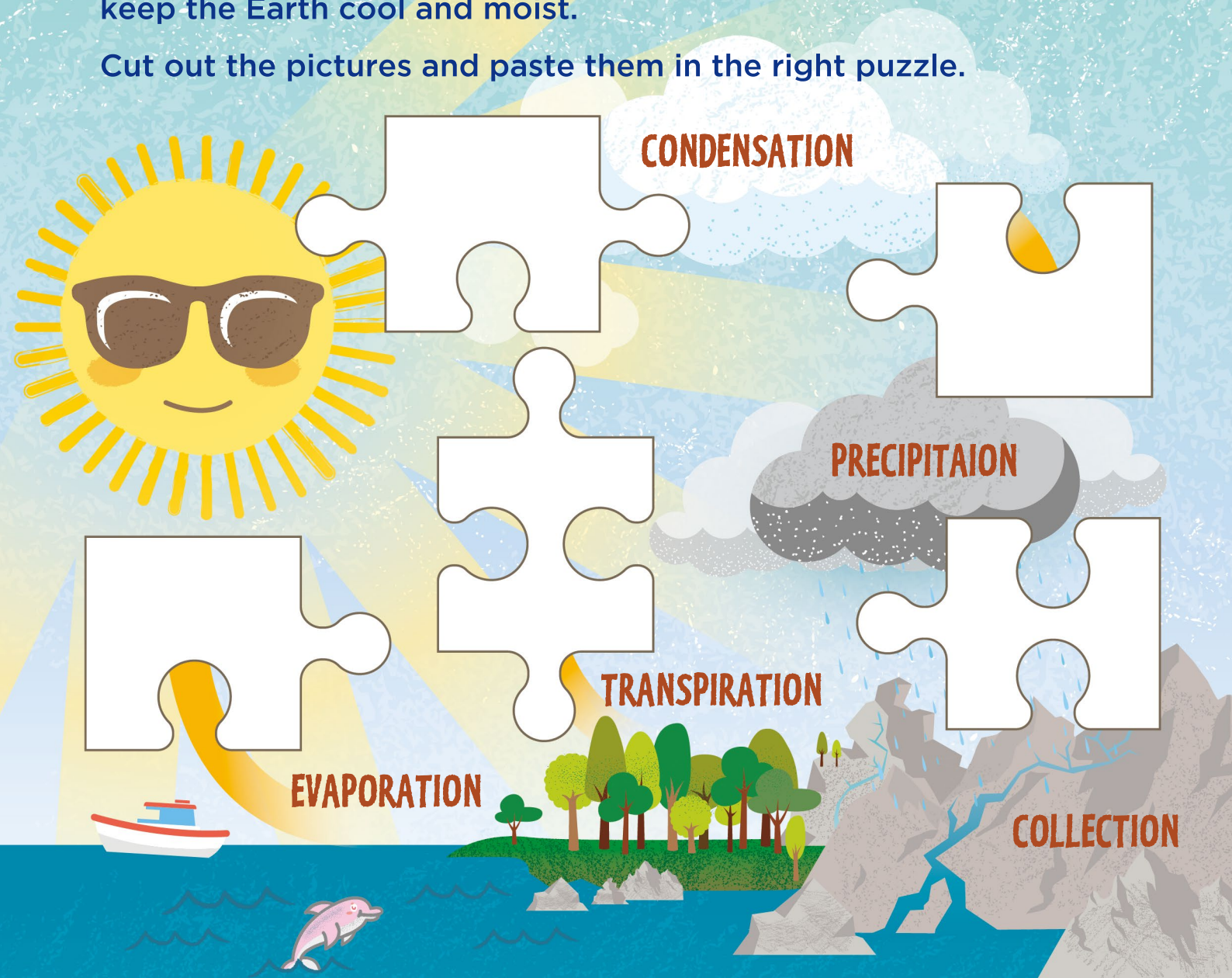
Cut out the animal/ insect pictures and paste them on or around the trees.



# Trees and the Earth

Trees play an important role in the water cycle and keep the Earth cool and moist.

Cut out the pictures and paste them in the right puzzle.



# Benefits of Trees

## Ecological benefits

1. Provide food and shelter for wild animals
2. Provide barrier effect from the wind and sand
3. Perform photosynthesis, absorb carbon dioxide and release oxygen
4. Perform transpiration, regulate the air humidity
5. Prevent soil erosion

Write the number in the correct circle below.



# Benefits of Trees

## Social environment benefits

1. Improve air quality, filter particles and dust out of the air by trapping them on the leaves and bark
2. Provide barriers to reduce noise near streets and highways
3. Beautify the city
4. Absorb carbon dioxide , combat climate change
5. Cool the city

Write the number in the correct circle below.





# Benefits of Trees

## Human physical and mental health benefits

Spot four differences in the two pictures below.

### Hint 1

Trees such as pine and fir release their fragrance, which can soothe our mood.

### Hint 2

Trees provide shade to people and also relieve the stress.

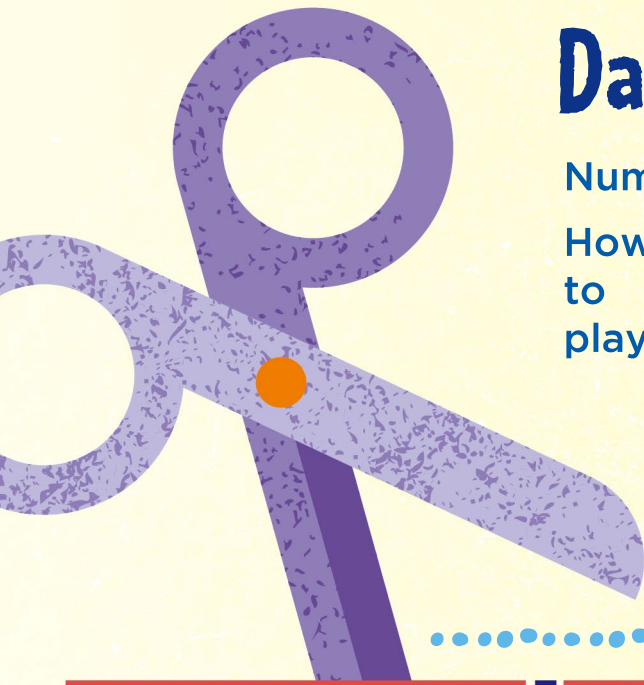
### Hint 3

Trees provide inspiration for artistic creation.

### Hint 4

Trees provide fruits and sources of food.



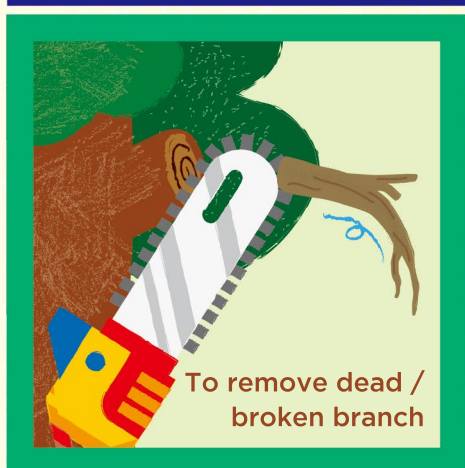
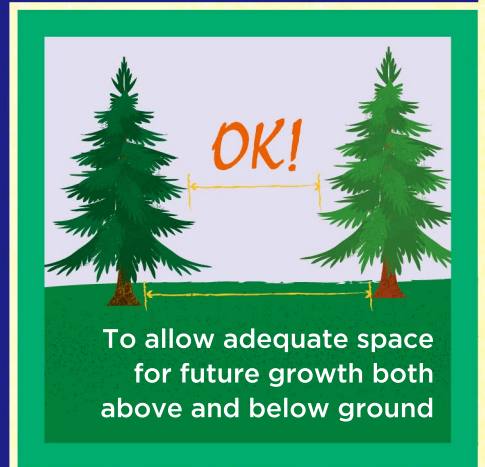
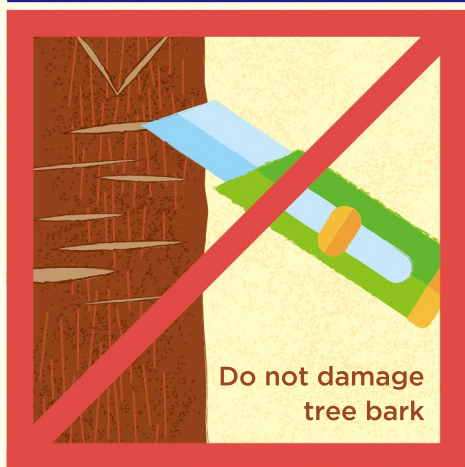


# Daily Tree Care

Number of players: 2

How to play:

1. Cut out the game cards of next page.
2. Players shuffle their own game cards and turn the game cards face down.
3. Players take turn to lay out one card, face up and cover the pictures of the game board that match with the game card.
4. Be the first to line up the game cards to make a complete row (horizontal, vertical or diagonal), win the game.



# Daily Tree Care Game cards

Player 1



# Daily Tree Care Game cards

Player 2



# Trees will be 'sick' too

Fill in the corresponding color of the stethoscope to learn the common tree problems.

Decay on branches

Fungal Fruiting Bodies

Restricted root growth

Dead branches

Topped tree



# Common Trees in Hong Kong

Count the number of each tree species



## Turn-in-the-wind

Small white flowers and underside of the leaves in white color



## Chinese Banyan

Branches with aerial roots



## Scarlet Sterculia

The red fruits split when ripe, revealing black seeds



## Yellow Pui

Flowers in bright yellow






## Camphor Tree

Deep bark cracks on the trunk with scent of camphor



# Tree management personnel

There are five types of tree management personnel -

-  **Arborists**
-  **Tree Risk Assessors**
-  **Tree Work Supervisors**
-  **Tree Climbers**
-  **Chainsaw Operators**



Find them in the tree ring below.

