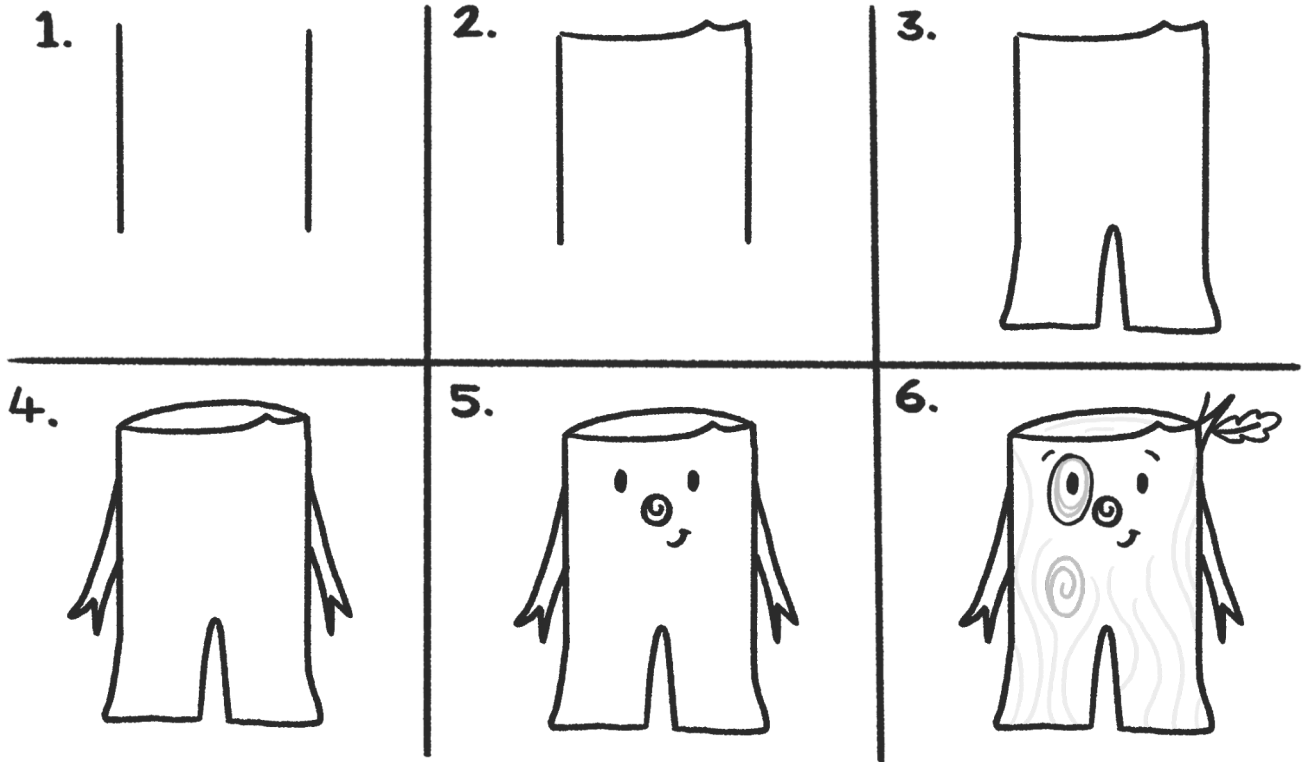


# How do you Draw OAKIE?

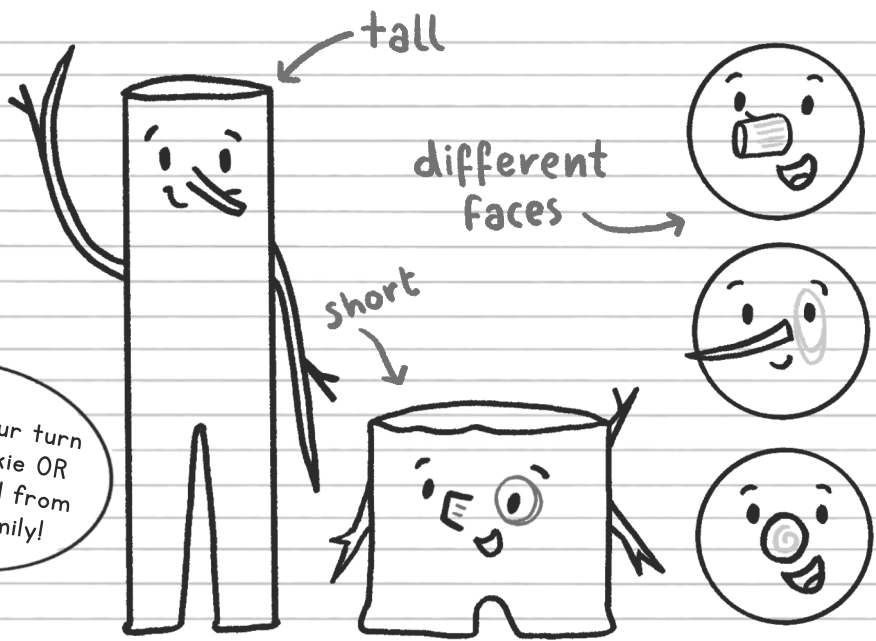


## ART'S NOTES

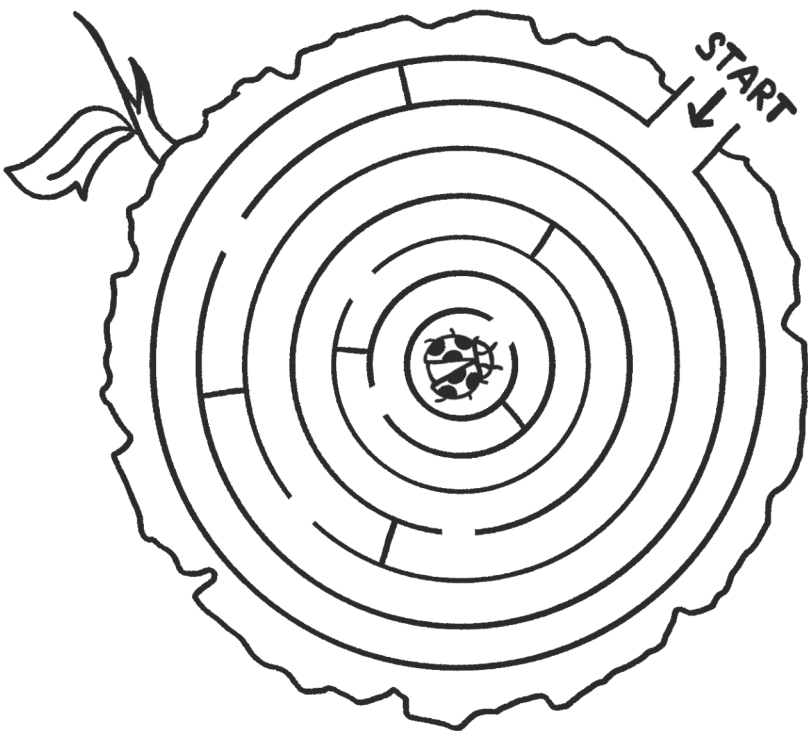
Note to self: There is no such thing as a bad drawing.

Some tree friends are tall. Some are short. Some have long noses. Others have cute, stubby noses.

Now it's your turn to draw Oakie OR a tree friend from Oakie's family!



# How old is OAKIE?



**ART'S NOTES**

You can tell how old a tree is by counting its rings.

The lighter rings grow in the spring and early summer.  
The darker rings grow in the late summer and fall.

One light ring plus one dark ring adds up to one year!

## OAKIE'S HEAD



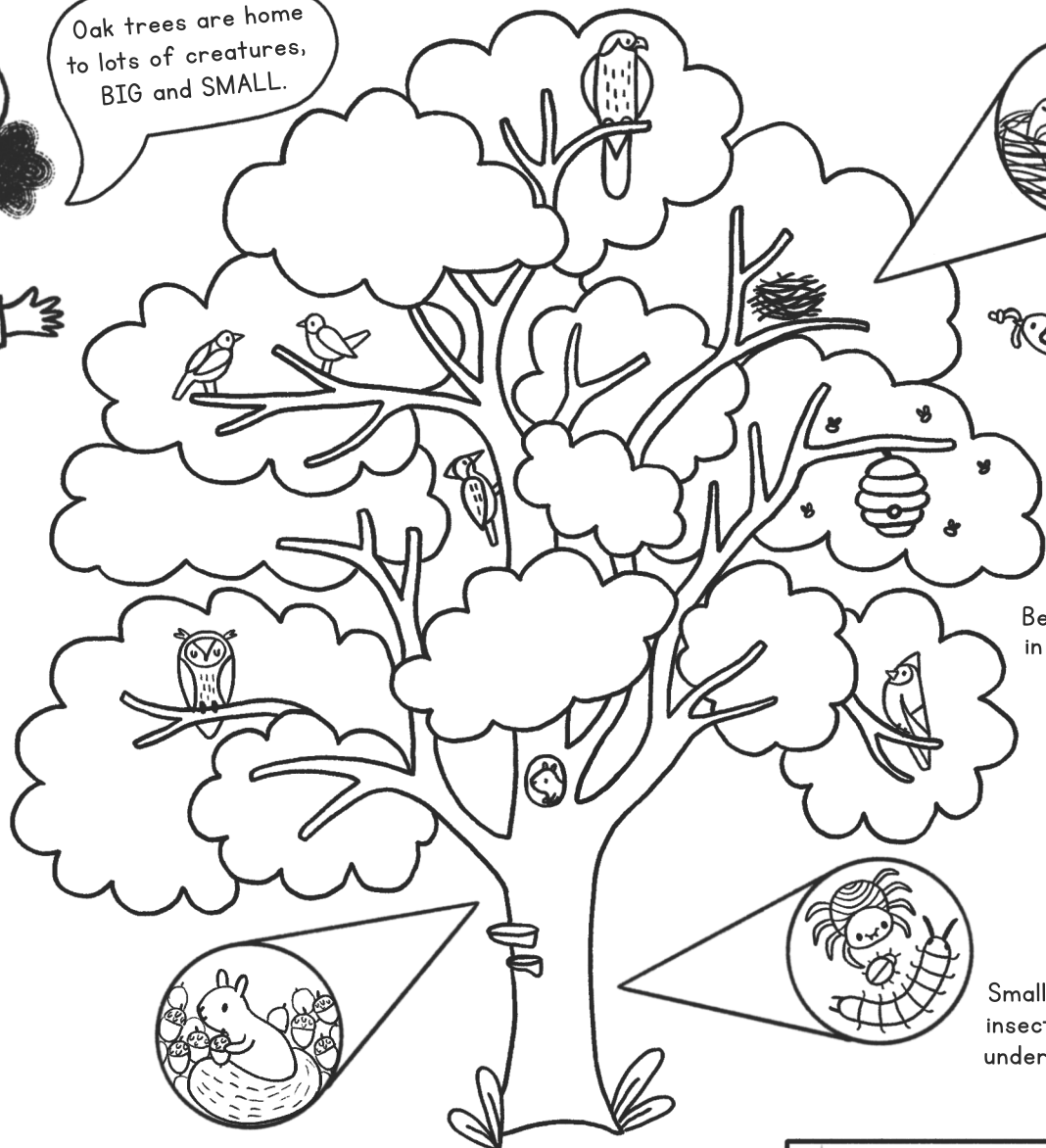
I counted Oakie's rings, and Oakie is \_\_\_\_ years old!

# Who Lives in an OAK TREE?

ART BY JOSIANE VLITOS



Oak trees are home to lots of creatures, BIG and SMALL.



What can you see?

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_



Bees build hives in hollowed-out trunks.



Small creatures like insects and ants live under the tree bark.

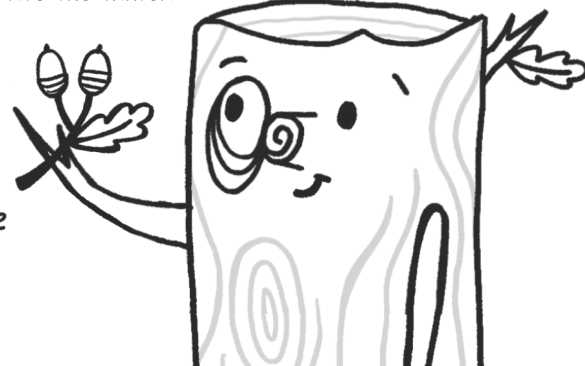


Acorn



Squirrels eat acorns. They store them in oak trees to survive the winter.

Oak Tree Leaf



ART'S NOTES	
Oakie says a tree is like a town. So many animals live there. Some animals get their food from a tree. It's almost like a supermarket!	
When lots of trees get cut down, it's called "deforestation." This has a <b>BIG</b> impact on all kinds of wildlife. That's why we have to protect the trees...to help our forest friends.	

# Wait...Do Trees Really SPEAK?

Did you know trees speak? They speak differently than you or me.

Riiing!  
Riiing!

## ART'S NOTES

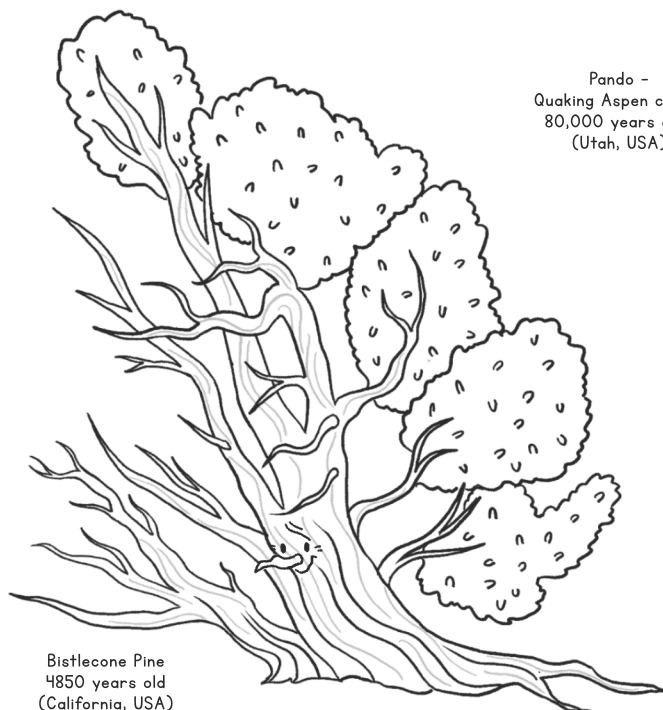
They use an underground network of roots and fungi that scientists call..

The Wood Wide Web!

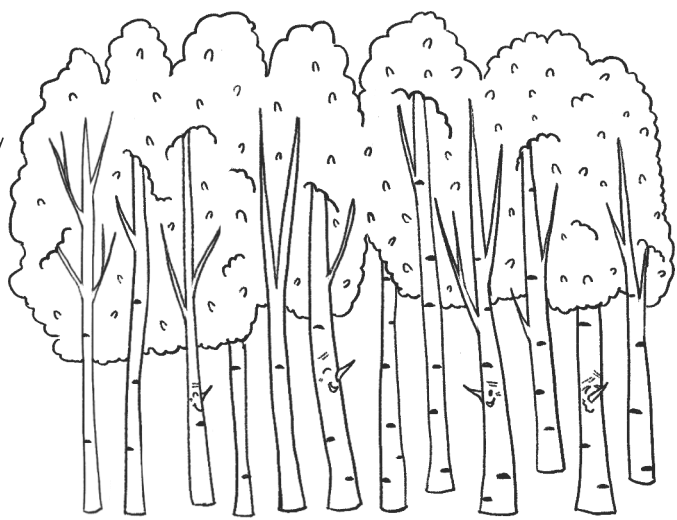
It's kind of like an old-fashioned telephone.

Trace the dotted lines to connect the trees.

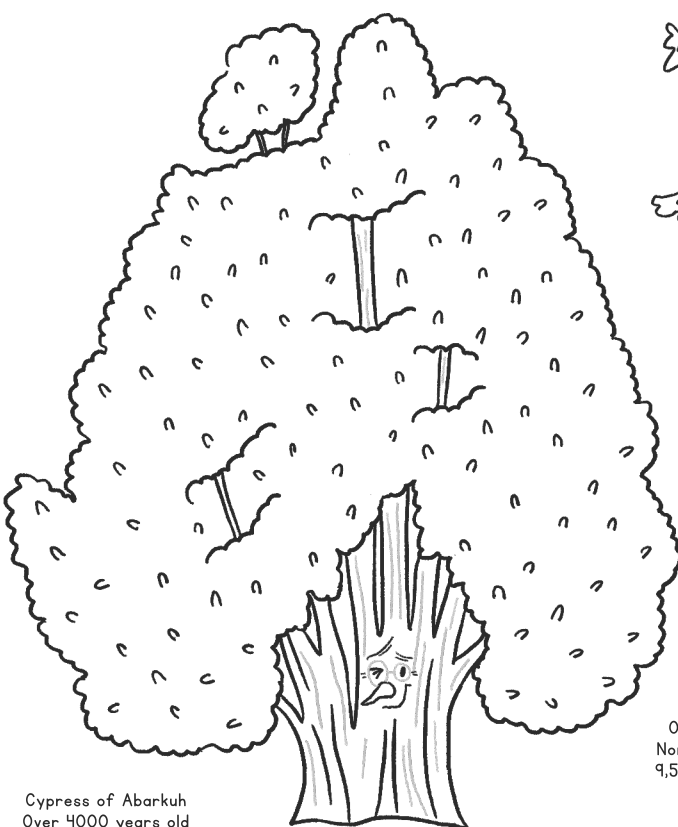
# How Old is the Oldest Tree?



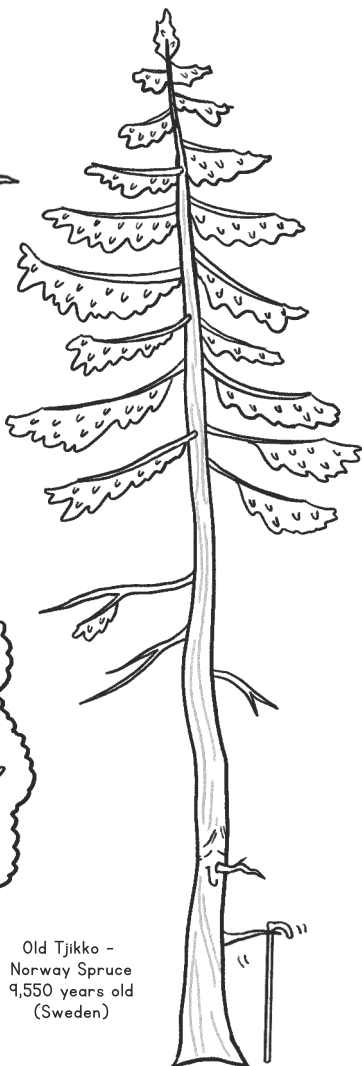
Pando -  
Quaking Aspen colony  
80,000 years old?  
(Utah, USA)



Bistlecone Pine  
4850 years old  
(California, USA)



Cypress of Abarkuh  
Over 4000 years old  
(Yazd Province, Iran)



Old Tjikko -  
Norway Spruce  
9,550 years old  
(Sweden)



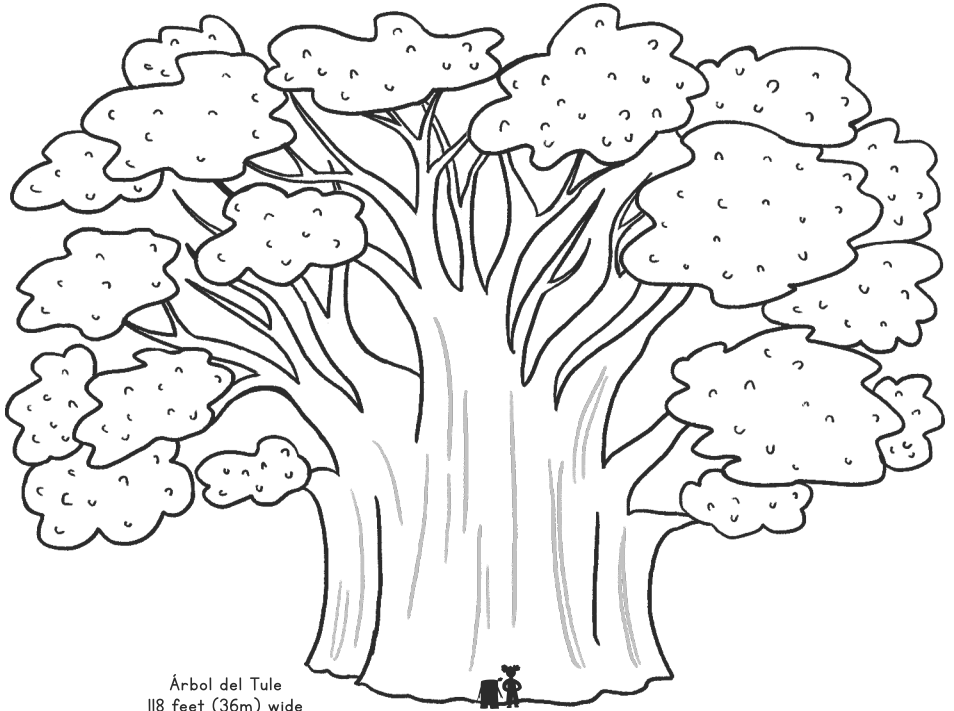
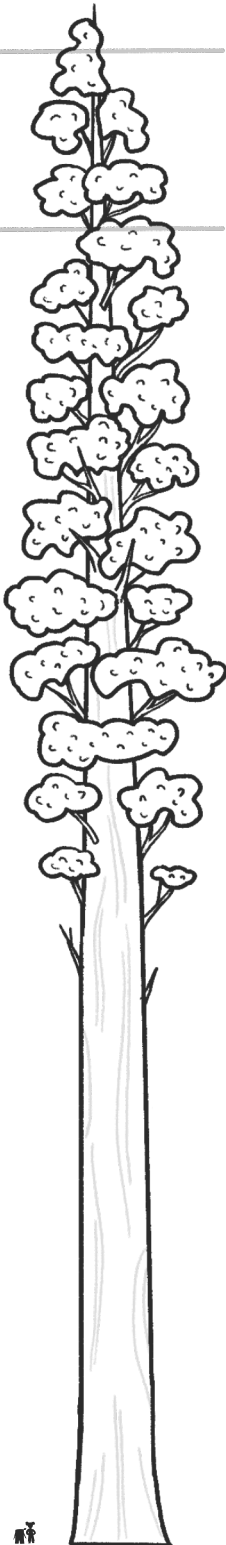
**ART'S NOTES**

The age of the oldest tree is a mystery. The oldest tree actually has many tree trunks. Over 40,000 trunks grow from the same roots underground. Many believe those roots are around 80,000 years old.

# How Big Can Trees Grow?

Hyperion  
379 feet (116m)

Big Ben  
315 feet (96m)



Árbol del Tule  
118 feet (36m) wide



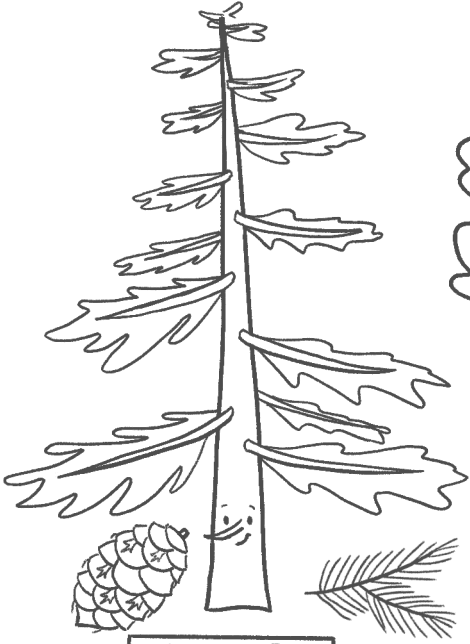
## ART'S NOTES

Trees grow in all shapes and sizes!

The tallest tree in the world is the Hyperion. This coast redwood in California is even taller than the Statue of Liberty.

The widest tree in the world is Árbol del Tule, a Montezuma cypress tree in Mexico. The distance around the tree is 119 feet or 36 meters. That is three school buses long!

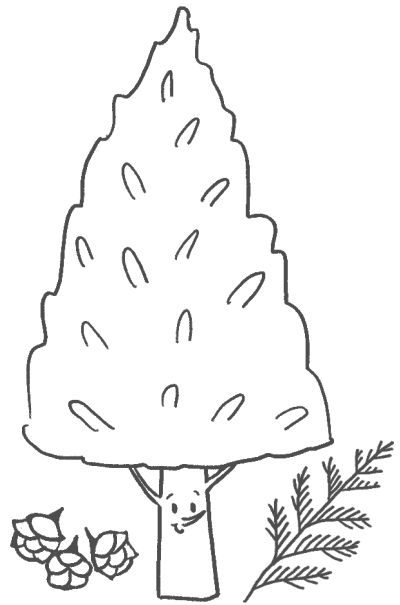
# Which Trees Keep Their Leaves?



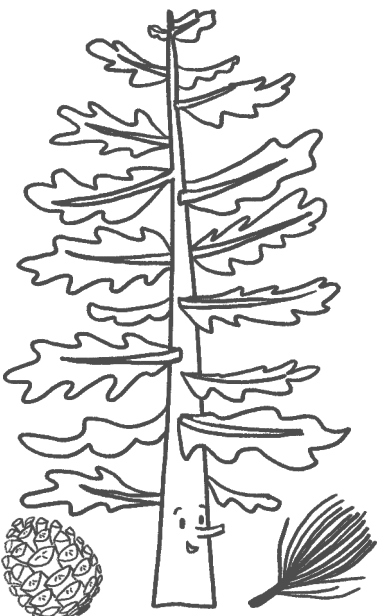
Douglas Fir



Yew



Lawson Cypress



White Pine



Blue Spruce

Have you noticed that only SOME trees keep their leaves?

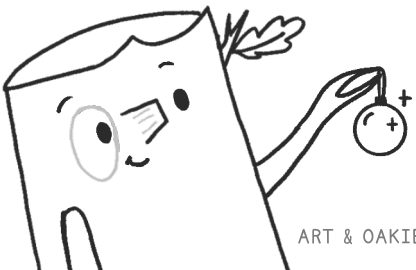


**ART'S NOTES**

There are 2 types of trees:

**Coniferous** and **Deciduous.**

Coniferous trees have leaves that always stay green. That's why they are also known as evergreen trees.



# Which Trees Lose Their Leaves?



Horse Chestnut



Red Maple



Willow

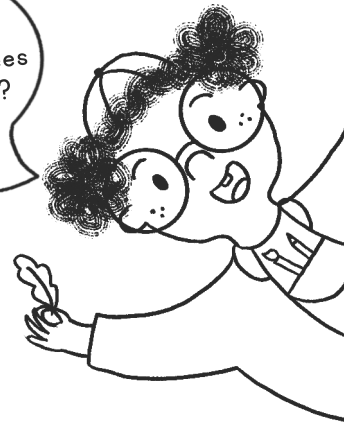


Oak



Mountain Ash

Have you noticed that only SOME trees lose their leaves?



**ART'S NOTES**

There are 2 types of trees:

**Coniferous** and **Deciduous.**

Deciduous trees lose their leaves in the fall and grow new ones in the spring.



# How to plant a sunflower?



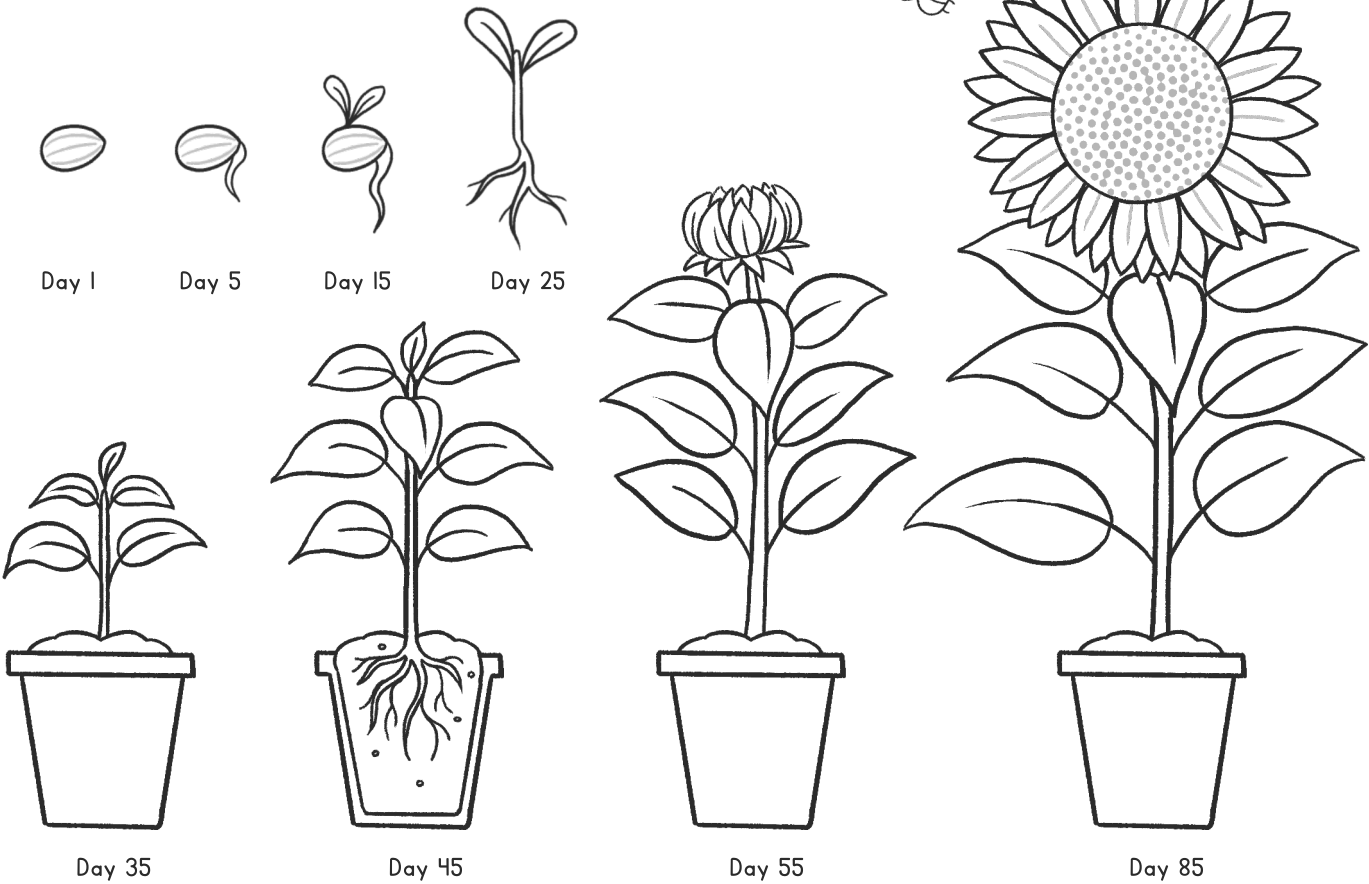
**ART'S NOTES**

To plant a sunflower you need:

1. A sunny place in your garden
2. Garden soil
3. Sunflower seeds

Plant your seeds in the spring. Bury your seeds six inches below the soil and two feet apart.

Water three to four times a week and watch your flowers grow!



# Can You Spot the Difference?

SPRING



SUMMER



I found nine differences. Oakie, can you spot the last one?



**ART'S NOTES**

Write down the 10 differences:

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.

Got them all? Good job!