

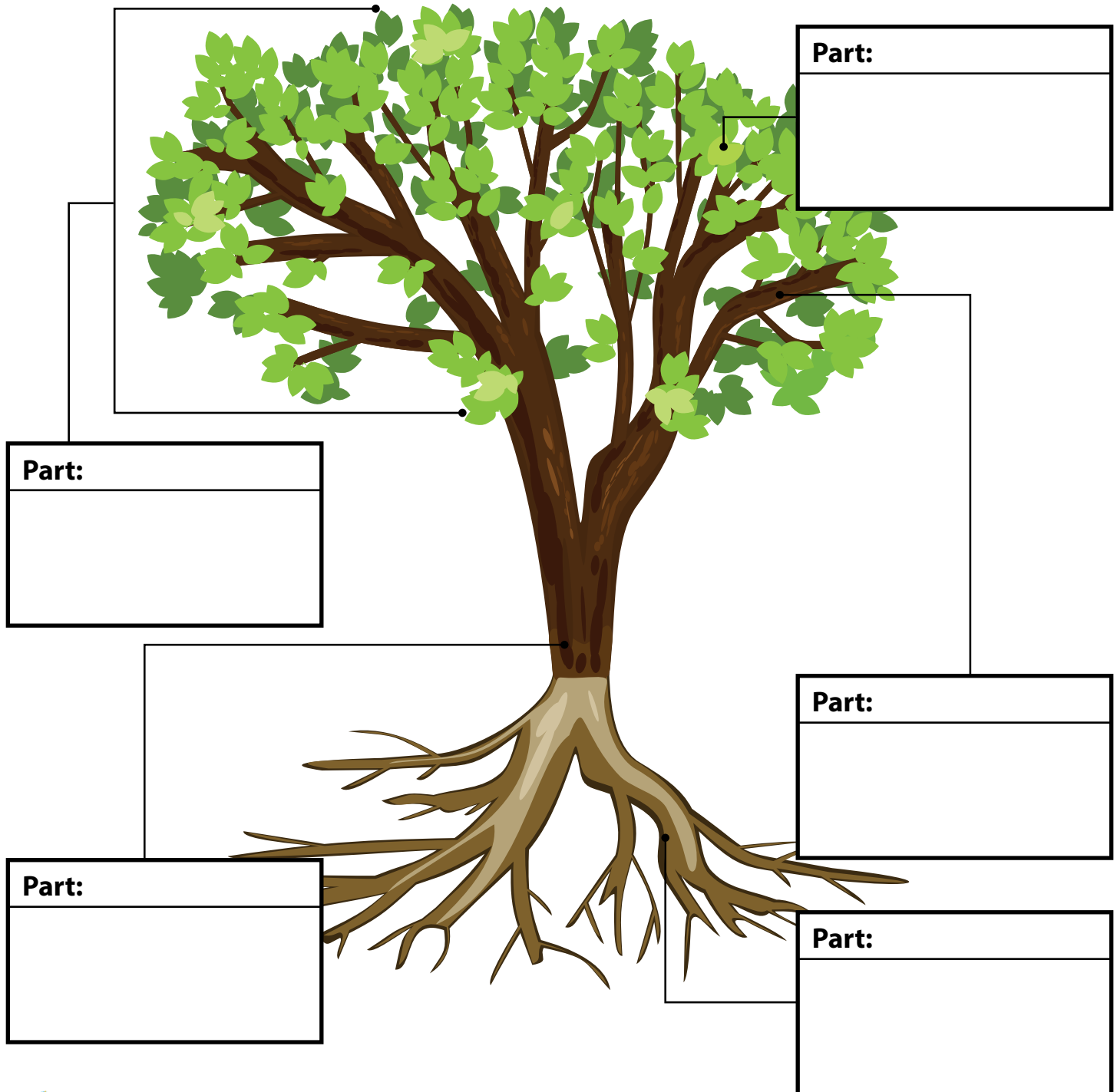
## What Is a Tree?

Follow the instructions to complete the activity.

NAME

DATE

Using the space provided, label each part of the tree below. Then, write a short sentence or two describing each part. Check your answers on page 5 of the book.



# Tree and Shrub Life Cycle

Follow the instructions to complete the activity.

NAME

DATE

Using the boxes below, write a short sentence or two describing each stage of a tree's or shrub's life cycle. Check your answers on pages 8 and 9 of the book.



**Seed**



**Sprout**



**Seedling**



**Sapling**



**Mature Tree or Shrub**



Use the information found in *Succulents* to help you complete the following activity.

1. Trees that take a while to produce , such as birches or willows, should be planted in the spring.
2. Growing a tree can be a great way to learn about life cycles, seasons, and the .
3. Trees and shrubs absorb many of the  released by factories.
4. The  tree is the world's fastest-growing tree.
5. An  is a type of botanical garden that contains mostly trees and shrubs.
6. Seeds or saplings must be planted in an area that has enough  to hold a mature plant.



## True or False

Follow the instructions to complete the activity.

NAME

DATE

Using the information found in *Trees and Shrubs*, verify whether the following statements are true or false. List the page number where you found the information beside your answer.

**Statement 1**

There are more than 100,000 known types of trees on Earth.

☐ True

☐ False

Page  
Number

**Statement 2**

Sycamore trees grow only in areas where the ground never freezes.

☐ True

☐ False

Page  
Number

**Statement 3**

Trees and shrubs are good for the planet.

☐ True

☐ False

Page  
Number

**Statement 4**

Saplings grown in plastic pots can be planted in the summer, as long as they are watered regularly.

☐ True

☐ False

Page  
Number

**Statement 5**

The leaves of trees and shrubs absorb harmful oxygen from the air.

☐ True

☐ False

Page  
Number



# The Planting Process

Follow the instructions to complete the activity.

NAME

DATE

Using information from *Trees and Shrubs*, show how to plant a tree or shrub by putting the steps below in the correct order. In the box beside each description, write the number that corresponds to the appropriate step. Check your answers with page 19 of the book.



1



2



3



4



5

Water the soil around the sapling with your garden hose.

Place the sapling in the hole. The top of the root ball should be level with the surrounding soil.

Loosen the dirt in the hole with your hard rake.

Use your shovel to dig a hole for your sapling. The hole should be at least two times wider than the root ball of the tree or shrub.

Place the removed soil back in the hole around the root ball.



## Trees and Shrubs Quiz

Test your knowledge of trees and shrubs by answering these quiz questions.

NAME

DATE

1

Which part of the tree is made up of leaves and branches?

2

What do the leaves of trees and shrubs absorb from the air?

3

At which stage of a tree's life cycle does it grow a thin bark?

4

How fast can an empress tree grow?

5

What are three factors to consider when planting a tree or shrub?

6

What are shrubs or trees clipped into ornamental shapes called?

7

How large of a hole should be dug to plant a tree or shrub?

8

What type of trees and shrubs shed leaves in the fall?

9

How does mulch help a tree or shrub?

10

Where is the U.S. National Arboretum located?



## Key Words Match-Up

Write the words from the list below in the box above the correct definition for each word.

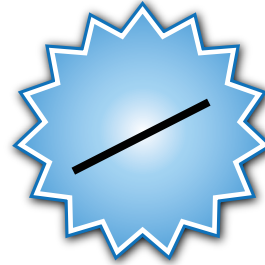
NAME

DATE

### KEY WORDS

bark	mulch
botanical	nutrients
carbon dioxide	oxygen
climate	root ball
hard rake	topiaries

Your Score is



=

%

- material, such as decaying leaves or bark, that is spread around a plant to enrich or protect the soil
- the prevailing weather conditions of a region
- trees or shrubs clipped into ornamental shapes
- a tool that has a long wooden handle with thick, heavy, metal prongs
- relating to plants
- a colorless gas that contributes to the rise in temperatures around the world
- a chemical element found in the air as a gas with no smell or color
- the outer layer of a tree's trunk
- the tight ball of roots and soil formed by a sapling
- substances that promote growth

