

Warm and Wet and Full of Life



Name: _____

There are millions of different species (types) of plants and animals in the world. More than half of them live in tropical rainforests. Tropical rainforests are warm and wet and full of life.

There are different layers to tropical rainforests. The very top layer is called the **emergent layer**. The very tallest trees form this layer. It is hot and windy. Eagles and bats live there.

The next layer is called the **canopy layer**. Very large trees make up this layer. Here you can find about 50% of all the species of plants and 25% of all the species of insects in the world.

The **understory layer** is the area between the canopy and the ground. Birds, snakes, lizards, and leopards live in this section.

The **forest floor** is at the bottom of the rainforest. Not much sunlight reaches this layer. Only certain plants can grow down on the forest floor.

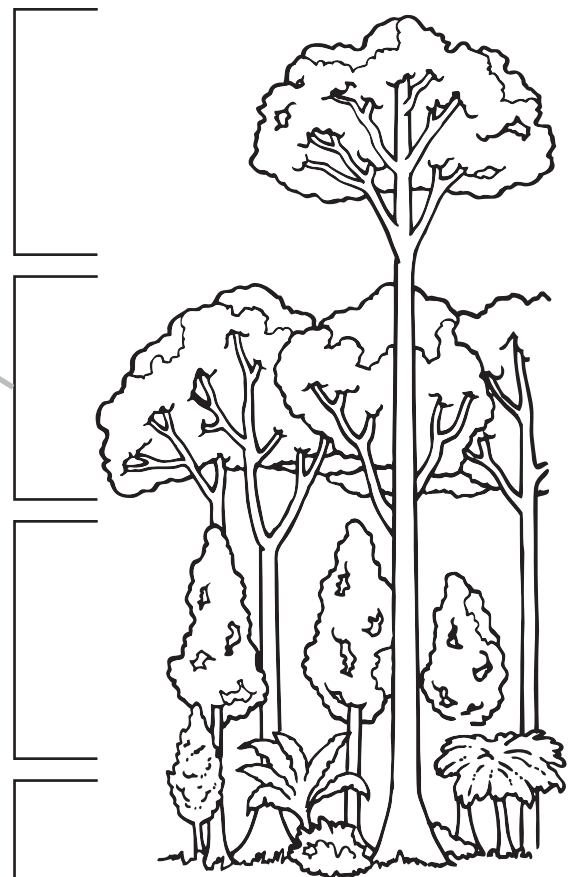
Directions: The picture below shows the different layers of the rainforest. Draw lines to match the names on the left to the layers shown in the picture. The first one has been done for you. Then, circle the layer on the picture where most snakes and lizards live.

canopy layer

emergent layer

forest floor

understory layer



'Tis the Season to Lose Leaves



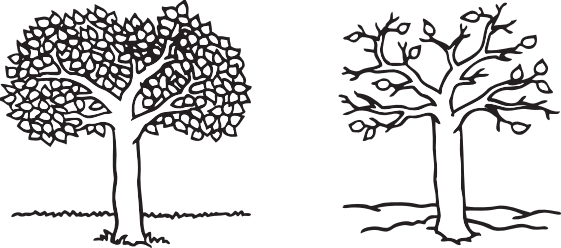
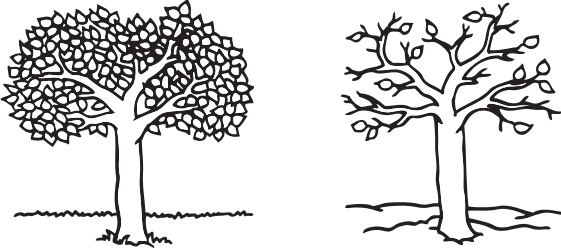
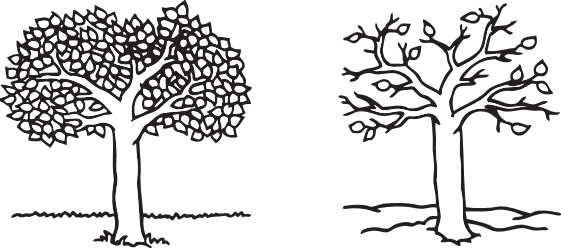
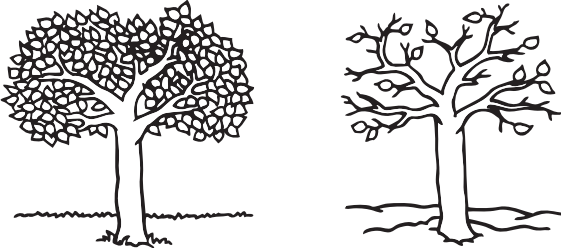


Name: _____

Some trees lose their leaves each season. These trees are called *deciduous* trees. Their leaves start to fall off in the autumn (fall) months. By winter, these trees have almost no leaves.

Directions: Think about each date given below. Would that day be in the summer or spring? Or would it be in the winter or fall? Circle the picture that shows how a deciduous tree would most likely look on that day of the year.

Remember . . .

- Trees are full of leaves in the spring and summer.
- Trees are losing their leaves in the winter and fall.

<p>1. December 16</p> 	<p>2. May 12</p> 
<p>3. November 22</p> 	<p>4. April 28</p> 
<p>5. July 13</p> 	<p>6. January 9</p> 



Answer Key

Unit 1

The World of the Living (page 7)

1. A
2. B
3. D
4. >
5. <

Separate the Living from the Non-Living (page 8)

P	C	C	M	U	C	Z	O	W	L
O	A	L	J	Q	O	R	S	T	U
F	R	O	G	L	M	P	Y	D	U
L	V	C	S	S	P	I	D	E	R
E	A	K	K	L	U	Z	Z	S	A
P	P	L	A	N	T	Z	E	K	V
W	M	M	O	Q	E	A	U	N	G
A	G	R	Y	T	R	E	E	J	A

Living Things

- frog
- owl
- plant
- spider
- tree

Non-Living Things

- car
- clock
- computer
- desk
- pizza

A Walk in the Park (page 9)

Living Things: tree, butterfly, boy, dog, flowers, grass, bird, squirrel

Non-Living Things: bench, drinking fountain, sign, trashcan, leash

The Life Cycle of a Ladybug (page 10)

1. eggs (should be colored pale yellow)
2. larva (should be colored black and yellow or orange)
3. pupa (should be colored bright yellow)
4. adult (should be colored bright red with black spots)

The Creature That Does Not Die (page 11)

Accept appropriate responses.

The Stages of Your Life (page 12)

Accept appropriate responses.

Match the Parents with Their Children (page 13)

1. d
2. a
3. c
4. e
5. b
6. 1. human baby; 2. puppy; 4. chick
7. 3. caterpillar; 5. tadpole

Passed Down from Your Parents (page 14)

Part 1

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

Part 2

Accept appropriate responses.

Word Study (page 15)

Part 1

Plants: fern, mint, moss, pine, oak

Insects: beetle, locust, mantis, termite, cricket

Vertebrates: crocodile, gorilla, halibut, pelican, elephant

Part 2

Accept appropriate responses.

Unit 2

A Place to Live and Grow (page 16)

1. D
2. C
3. B

What Am I?: sunlight

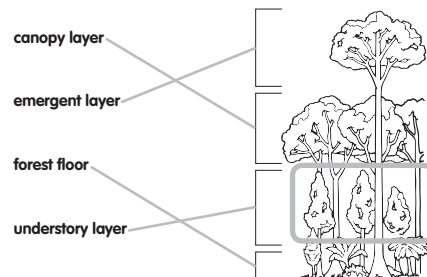
Animals and Their Habitats (page 17)

- | | |
|----------|--------------|
| 1. whale | 3. crocodile |
| 2. camel | 4. monkey |

Finding Just the Right Place (page 18)

1. polar bear – Place B
2. tarantula – Place C
3. toucan – Place A

Warm and Wet and Full of Life (page 19)



Some Like It Hot, and Here's Why (page 20)

1. humps
2. coat
3. cells
4. nostrils
5. lashes



'Tis the Season to Lose Leaves (page 83)

Note: Answers are based on seasons in the Northern Hemisphere.

1. Circle the tree losing leaves.
2. Circle the tree with leaves.
3. Circle the tree losing leaves.
4. Circle the tree with leaves.
5. Circle the tree with leaves.
6. Circle the tree losing leaves.

Which of the Three Do You See? (page 84)

Accept appropriate responses.

Word Study (page 85)

1. roots
2. trunk
3. leaves
4. rings
5. stump
6. branch

Unit 10

All Systems Go! (page 86)

1. C
2. B
3. A
4. <

Your Hard-Working Heart (page 87)

1. B
2. A
3. A

What Am I?: valve

Are You in Your Right Mind? (page 88)

Accept appropriate responses.

With a Little Help from Your Friend (page 89)

1. your leg
2. your ear
3. a baby

Think About It!: Accept appropriate responses.

Three of Each (page 90)

Part 1

1. tibia – leg
2. molar – mouth
3. cerebellum – brain
4. radius – arm
5. incus – ear

Part 2

humerus

Making Sense of Your Senses (page 91)

Accept appropriate responses.

What Happens in the Blink of an Eye (page 92)

Number of Minutes	1	2	3	4	5	10
Average Person	15	30	45	60	75	150
Young Baby	2	4	6	8	10	20
Computer User	7	14	21	28	35	70

1. A
2. C
3. C

A Matter of Taste (page 93)

Part 1

1. C
2. B

Part 2

T	A	L	T	Y	S	O
S	E	U	R	M	W	L
O	B	I	T	T	E	R
U	S	L	A	E	E	K
R	P	S	A	L	T	Y

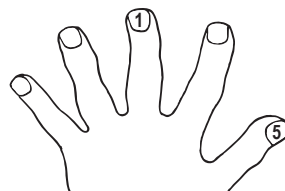
What Gives You Goose Bumps? (page 94)

Part 1: 3, 2, 4, 1

Part 2: The porcupine should be circled

Things That Grow and Grow (page 96)

1. 12 inches
2. December (if living in Northern Hemisphere)
- 3.



Word Study (page 97)

Part 1

1. knee
2. ankle
3. nose
4. stomach
5. thumb
6. finger
7. mouth

Part 2

Accept appropriate responses.