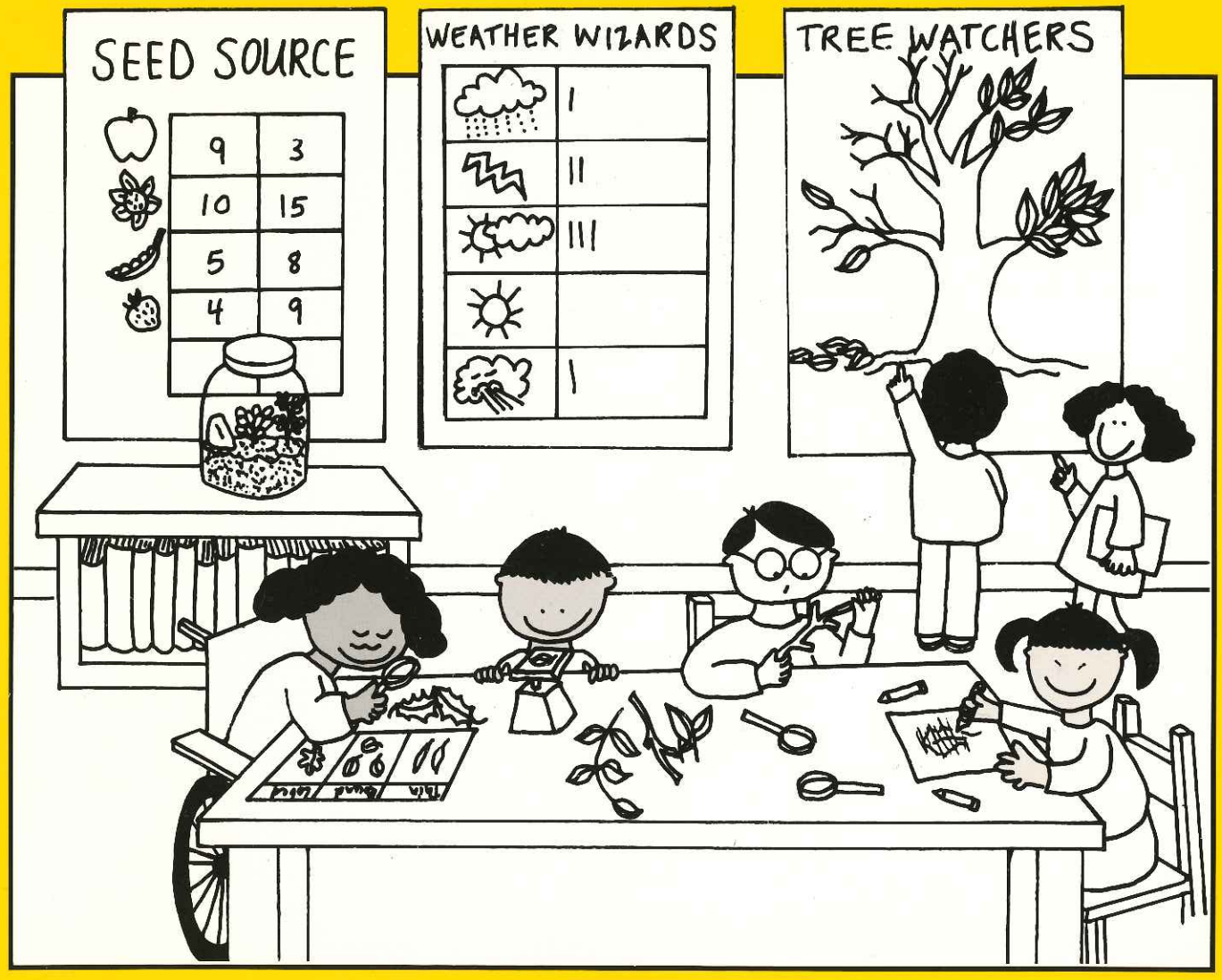
Student Lab Book

Earth Is Home

Grade 1

LIFE LAB SCIENCE



Name _____

VIDEODISCOVERY®

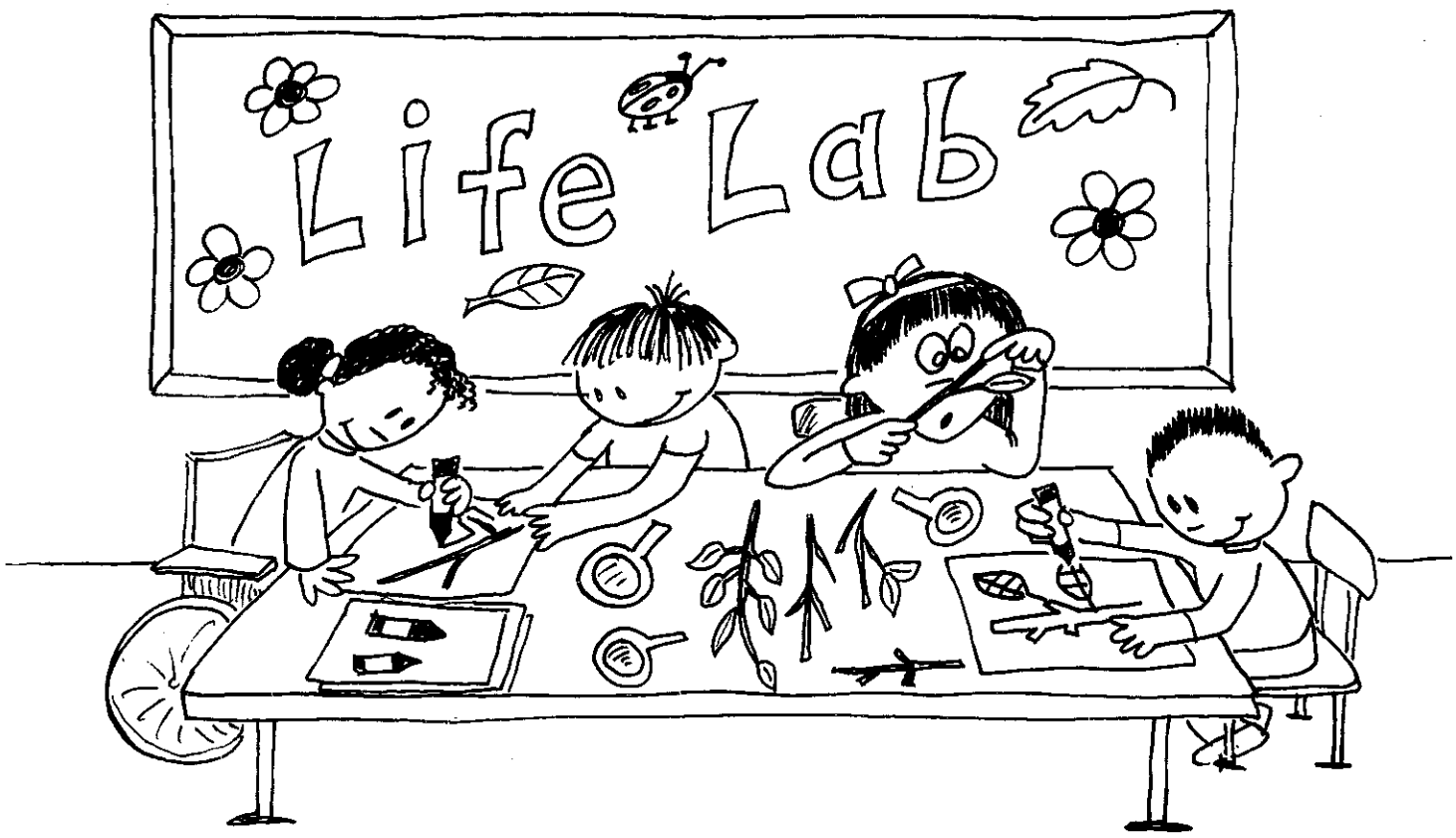
Life Lab Science

Earth Is Home

Developed by Life Lab Science Program

Curriculum Director
Roberta Jaffe

ISBN 1-56307-169-X



VIDEODISCOVERY®

Table of Contents

Grade 1

Sensing Our World 3
Calendar 4
Little Book: Our Favorite Things 5
Color Hike Lab Sheet 9
Tree Watchers' Lab Sheet 10

Investigating Seeds 11
Calendar 12
Seed Soaks Lab Sheet 13
Little Book: The Pumpkin Seed 15
Coming Up Lab Sheet 19
Little Book: Johnny Appleseed 21

Exploring Soil 25
Calendar 26
Little Book: Earthworm 27
It's in the Bag, Part 1 Lab Sheet 31
It's in the Bag, Part 2 Lab Sheet 32

Observing Earth's Cycles 33
Calendar 34
The Difference a Day Makes Lab Sheet 35
Little Book: Moon Journal 37
Collector's Corner Lab Sheet 41
A Tree for All Seasons Lab Sheet 42
Checking Out Changes Lab Sheet 43

Investigating Weather 45
Calendar 46
Little Book: It's Saturday Hooray! 47
Hot to Cold Lab Sheet 51
Drop in the Bucket Lab Sheet 53
The Waving Wind Lab Sheet 54
Weather Roundup Lab Sheet 55

© Life Lab Science Program, Inc. 1992

Little Book: Weather Report 57

Exploring Plant Life 61
Calendar 62
Pick the Plant Lab Sheet 63
Pet Plants Lab Sheet 64
Little Book: My Pet Plant Album 65
From Flowers to Fruit Lab Sheet 69

Exploring Animal Life 71
Calendar 72
Is It an Animal? Lab Sheet 73
Caring for Caterpillars Lab Sheet 75
Animal Hunt Lab Sheet 77
Animal Portraits Lab Sheet 78
Little Book: Are Legs Just for Walking? 79
From Caterpillar to Butterfly Lab Sheet 83
Little Book: Who Would Have Guessed? 85

Investigating Garden Homes 89
Calendar 90
Little Book: Robins Live in Nests. Where Do You Live? 91
Spider Watch Lab Sheet 95
Safe Colors Lab Sheet 97

My Journal 99

© Life Lab Science Program, Inc. 1992

Sensing Our World

© Life Lab Science Program, Inc. 1992

Month_____ Name_____

Monday	Tuesday	Wednesday	Thursday	Friday

© Life Lab Science Program, Inc. 1992

Draw a picture of your favorite thing.

Page 8

Page 1

© Life Lab Science Program, Inc. 1992

I like to hear the frogs croak.
It sounds like they are telling
a funny joke.
What do YOU like to hear?

Page 2

What is your favorite thing of all?
Is it something to hear?
Is it something to touch?
Is it something to smell?
Is it something to see?
Is it something to eat?

Page 7

© Life Lab Science Program, Inc. 1992

I like to touch a kitten's fur.
So soft—it makes me want to purr.
What do YOU like to touch?

Page 3

I like to eat peanut butter. It's a very tasty treat.
With a little jelly, it's my favorite thing to eat.
What do YOU like to taste?

Page 6

© Life Lab Science Program, Inc. 1992

I like to smell my dinner cooking.
I know what's for dinner without
ever looking.
What do YOU like to smell?

Page 4

I like to watch the monkeys
at the zoo.
They make me giggle.
They really do.
What do YOU like to watch?

Page 5

© Life Lab Science Program, Inc. 1992

Color Hike

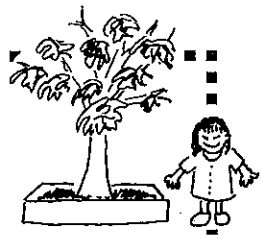
Name_____ Date_____

Our secret color is:

We found four things that match our secret color.

© Life Lab Science Program, Inc. 1992

Tree Watchers



Name_____

Date_____

We named our tree_____.

Here is a picture of our tree. There I am standing next to the tree.

© Life Lab Science Program, Inc. 1992

Investigating Seeds

© Life Lab Science Program, Inc. 1992

Month_____ Name_____

Monday	Tuesday	Wednesday	Thursday	Friday

© Life Lab Science Program, Inc. 1992

Seed Soaks

Name_____

This is how my pea seed looks.

This is a word for how my pea seed looks.

_____

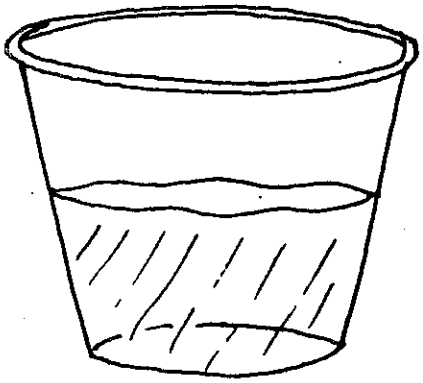
GUESS

This is how I think the pea will look if I put it in water.

© Life Lab Science Program, Inc. 1992

TEST

This is how I tested my guess.



TELL

This is how my seed looked after the test.

This is a word for how my pea seed looks after the test.

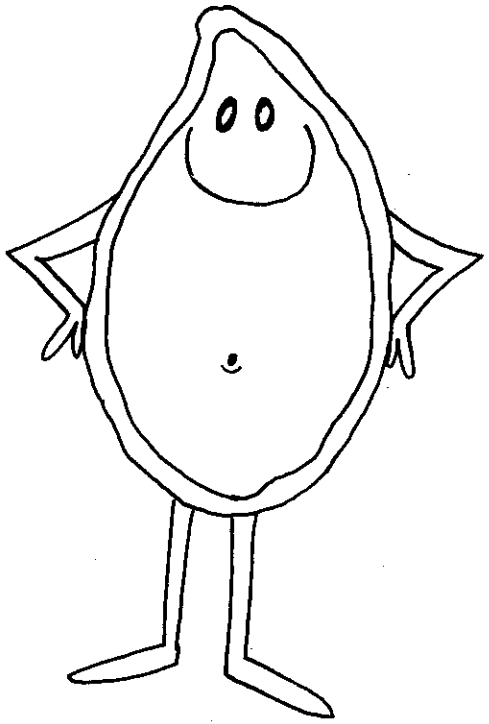
_____

© Life Lab Science Program, Inc. 1992

Alan wanted to make a jack-o-lantern from his pumpkin. When he cut it open, what do YOU think he found?

Page 8

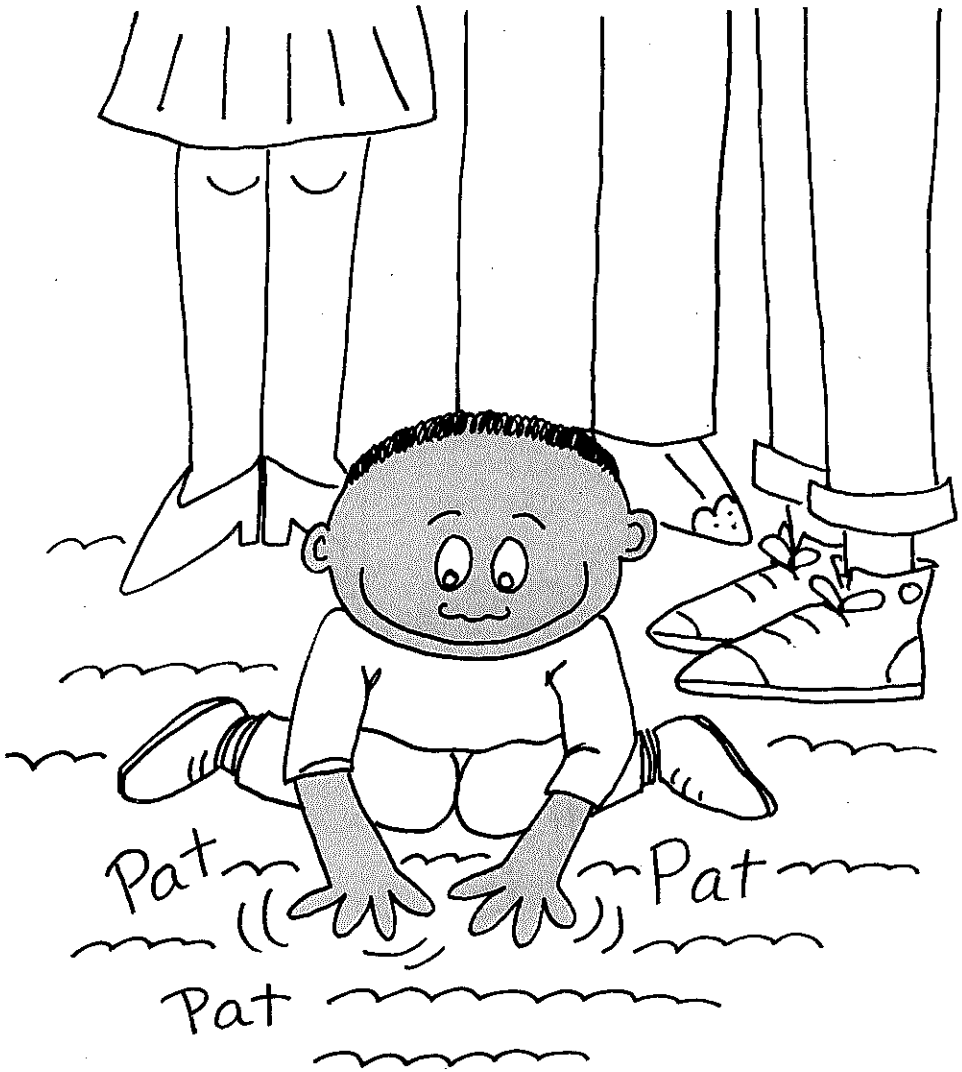
The Pumpkin Seed



Page 1

© Life Lab Science Program, Inc. 1992

One day, a little boy named Alan planted a pumpkin seed.



Page 2

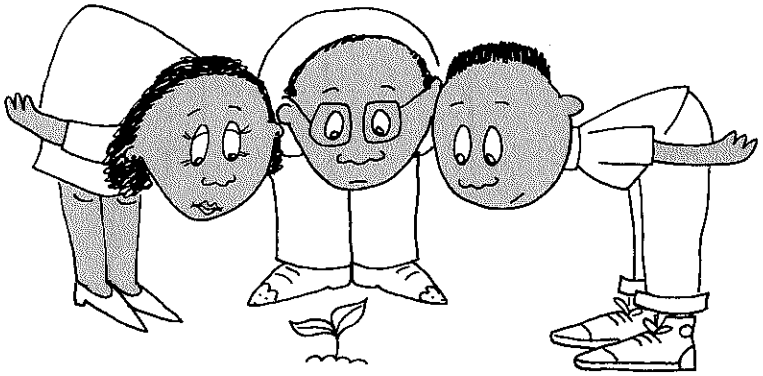
Everyone but Alan, that is.
"I thought it would come up!" he exclaimed. "And it did!"

Page 7

© Life Lab Science Program, Inc. 1992

© Life Lab Science Program, Inc. 1992

But Alan kept watering and checking. Then one day, a tiny pumpkin plant sprouted. It poked its bright green leaves toward the sky.
Everyone was surprised.

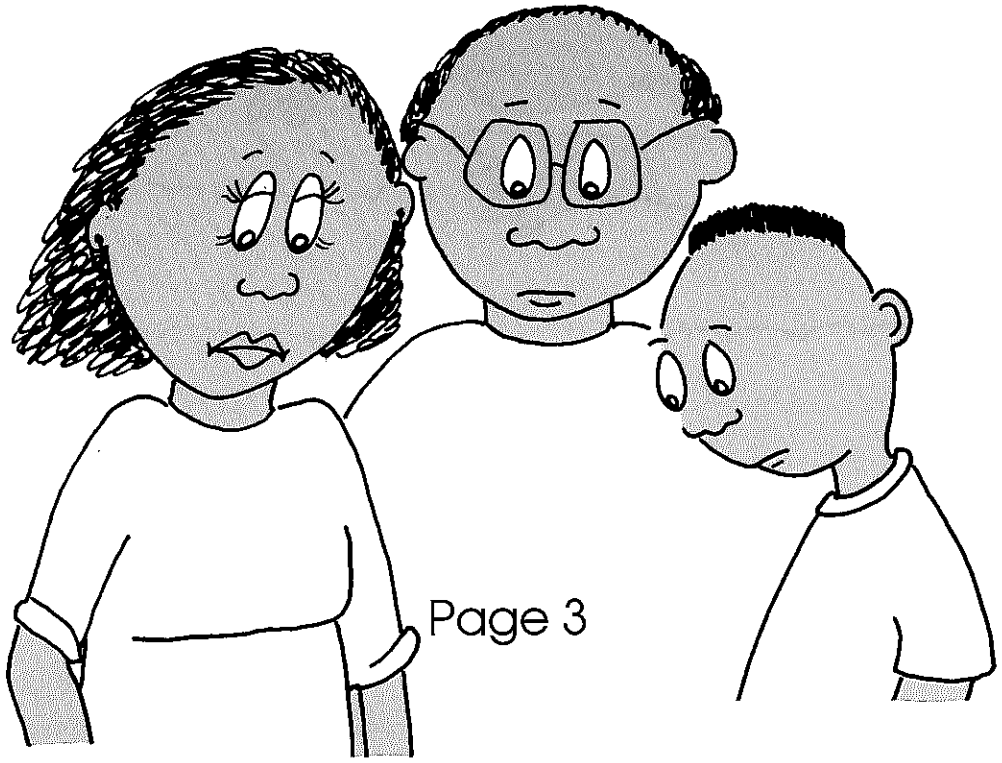


Page 6

As his mother watched him, she thought, "That pumpkin seed won't grow."

His father watched too. He thought, "That pumpkin seed won't grow. "

His big brother also watched. He, too, thought, "That pumpkin seed won't grow."

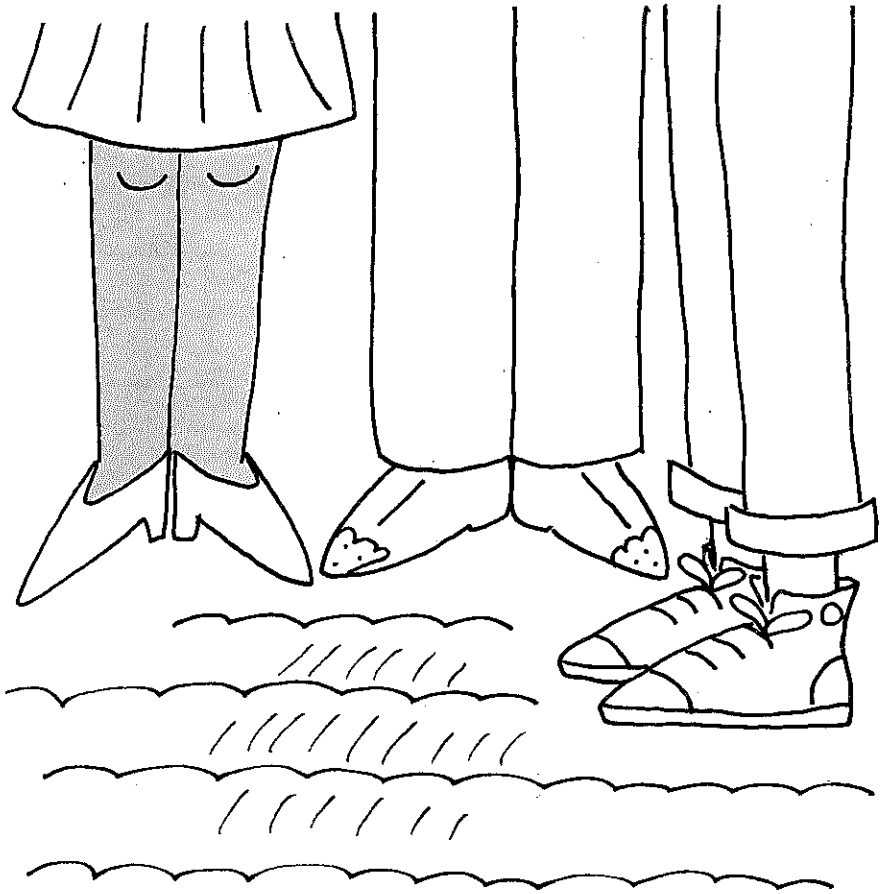


Page 3

Every day, Alan watered the ground. Every day, he checked to see if his seed had sprouted. And every day, he was disappointed.

Page 4

"I was afraid so," thought Alan's mother.
"Just as I guessed," thought his father.
"I was right," thought his brother.

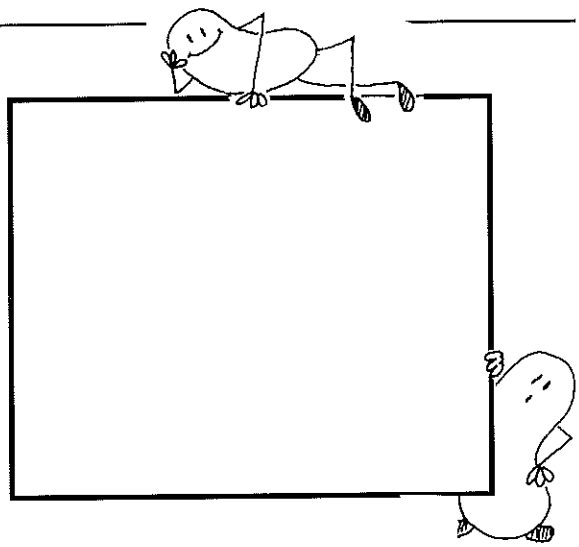


Page 5

© Life Lab Science Program, Inc. 1992

Coming Up

Name _____



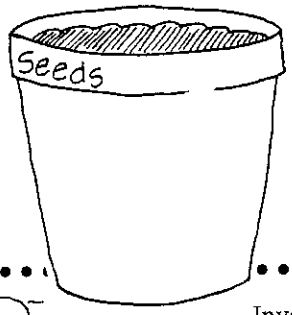
This is how my seed looks.

GUESS

This is what I think will happen to my seed.

TEST

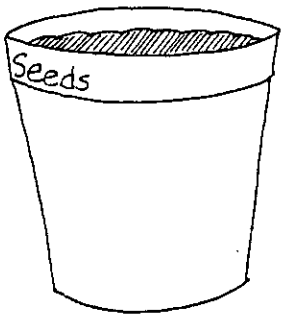
This is how I will test my guess.



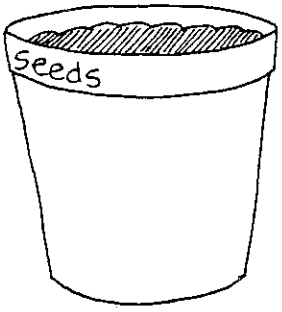
© Life Lab Science Program, Inc. 1992

TELL

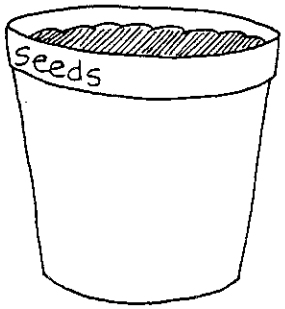
This is what happened to my seed.



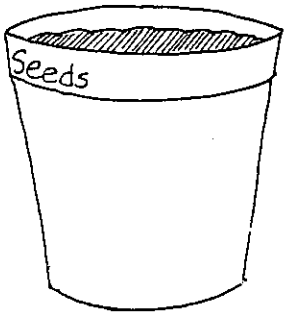
Day_____



Day_____



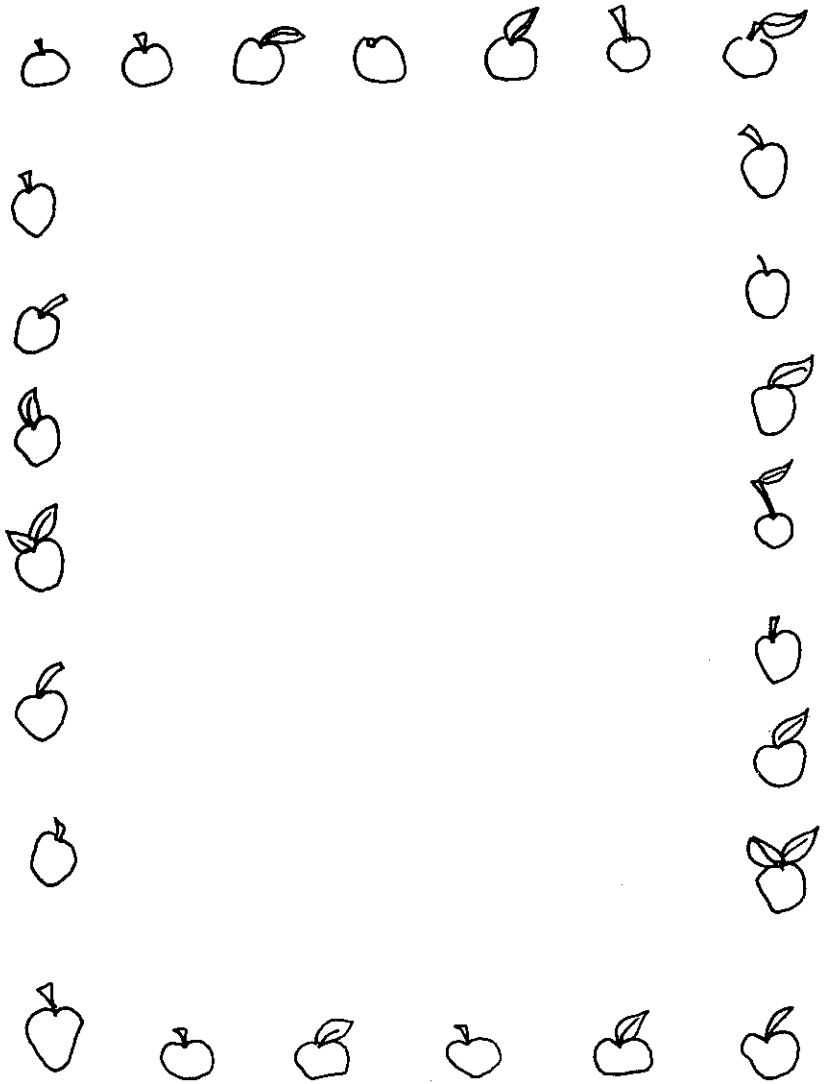
Day_____



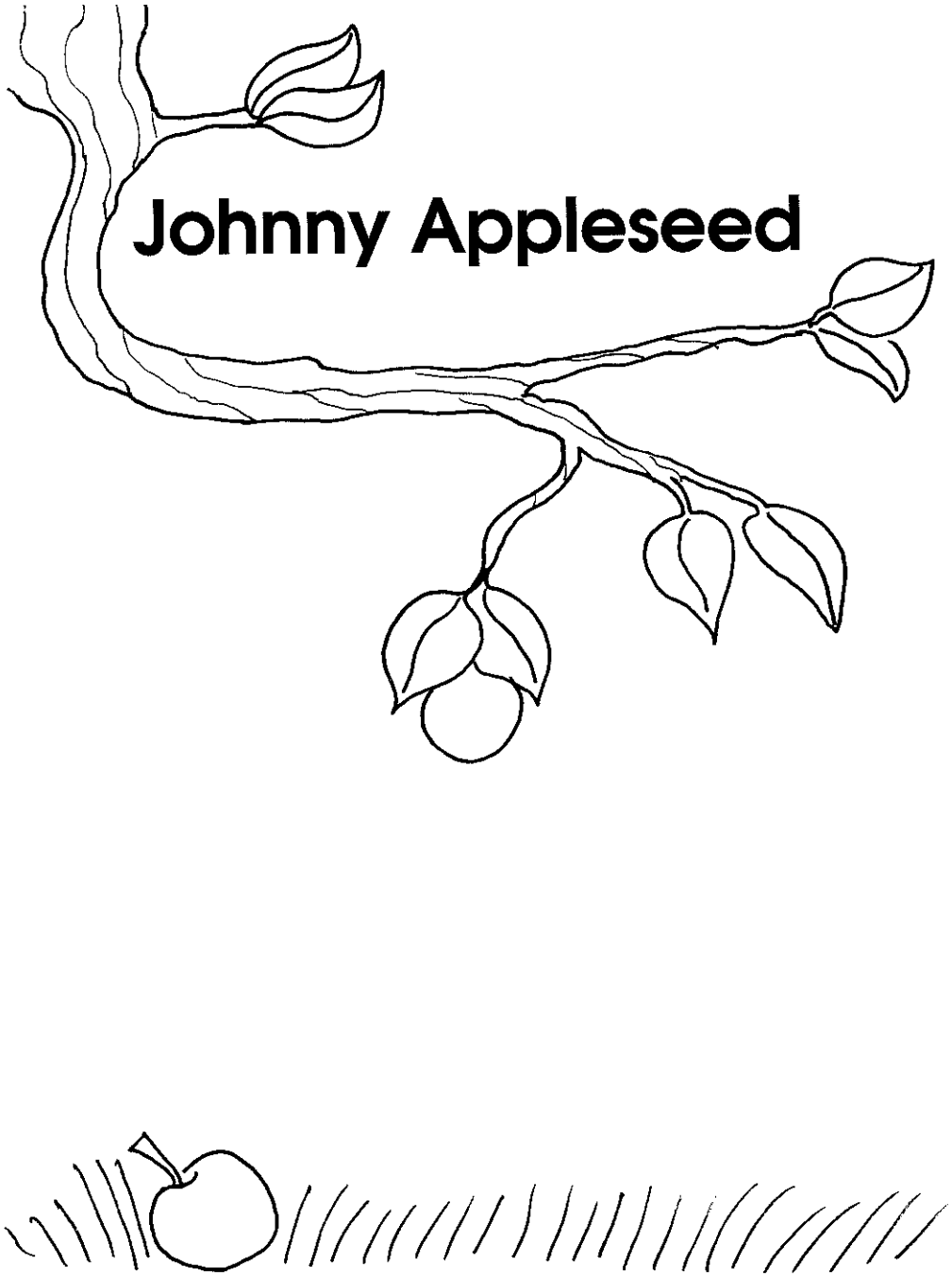
Day_____

© Life Lab Science Program, Inc. 1992

Thanks to Johnny Appleseed, we have lots of apples. And we can make:



Page 8



Page 1

© Life Lab Science Program, Inc. 1992

Johnny Chapman had an apple tree.

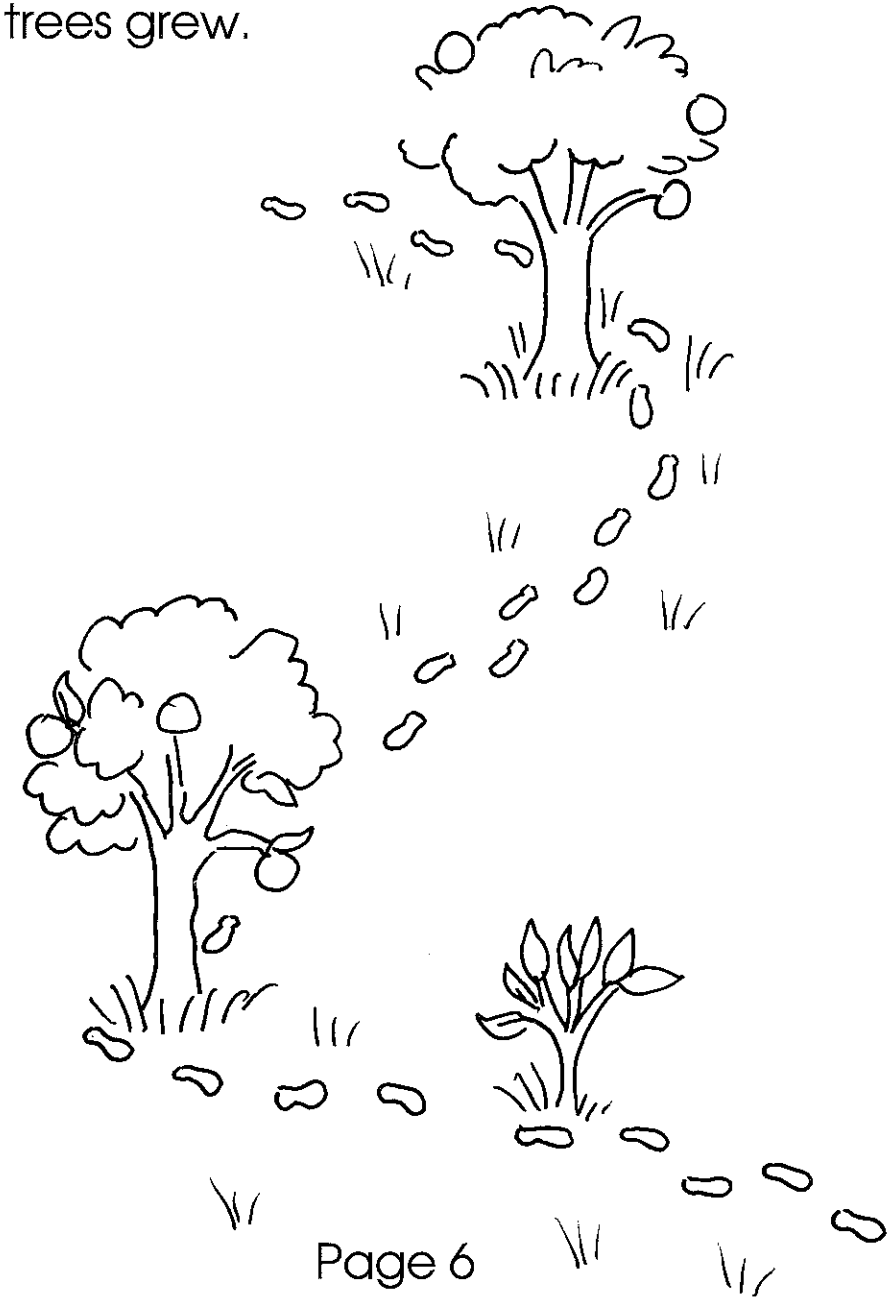
Page 2

People began to call him Johnny Appleseed.

Page 7

© Life Lab Science Program, Inc. 1992

Everywhere he traveled, apple trees grew.



Page 6

Apples grew on the tree.

Page 3

© Life Lab Science Program, Inc. 1992

Johnny saved the seeds from the apples.

Page 4

He planted the seeds all over the country.

Page 5

© Life Lab Science Program, Inc. 1992

Exploring Soil

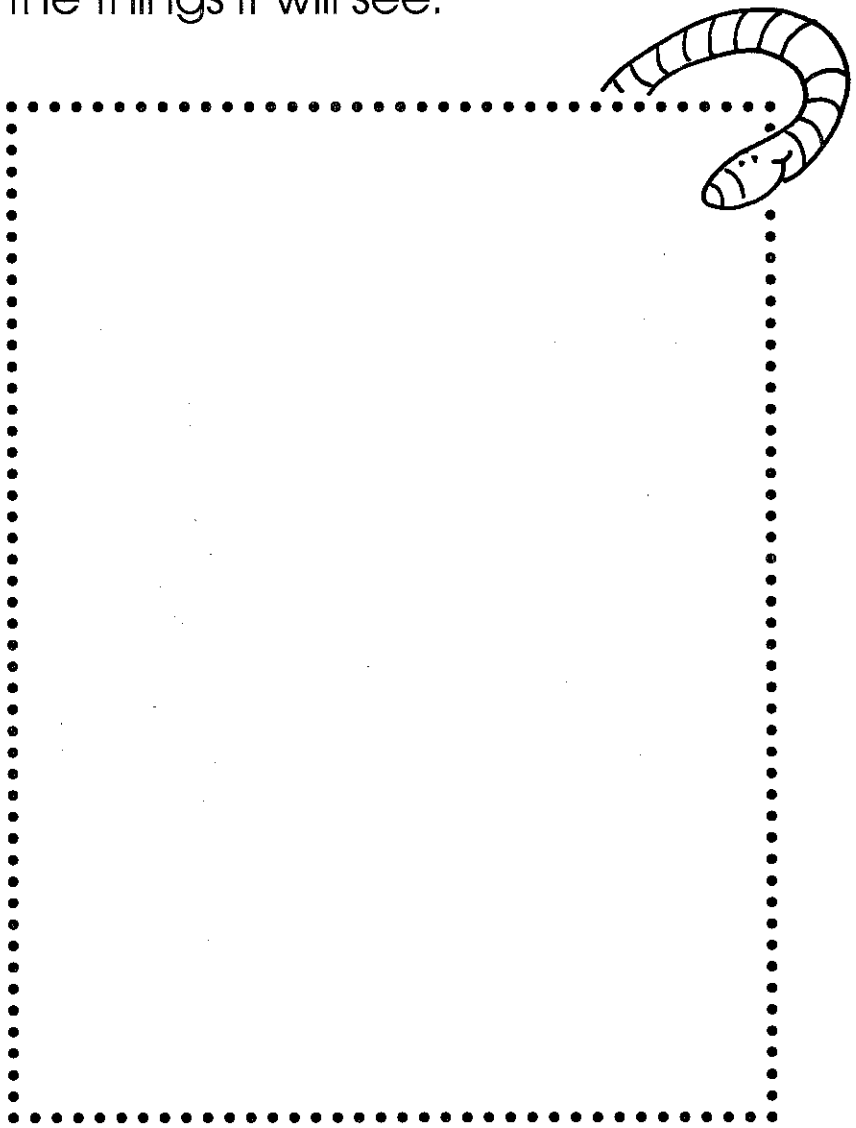
© Life Lab Science Program, Inc. 1992

Month_____ Name_____

Monday	Tuesday	Wednesday	Thursday	Friday

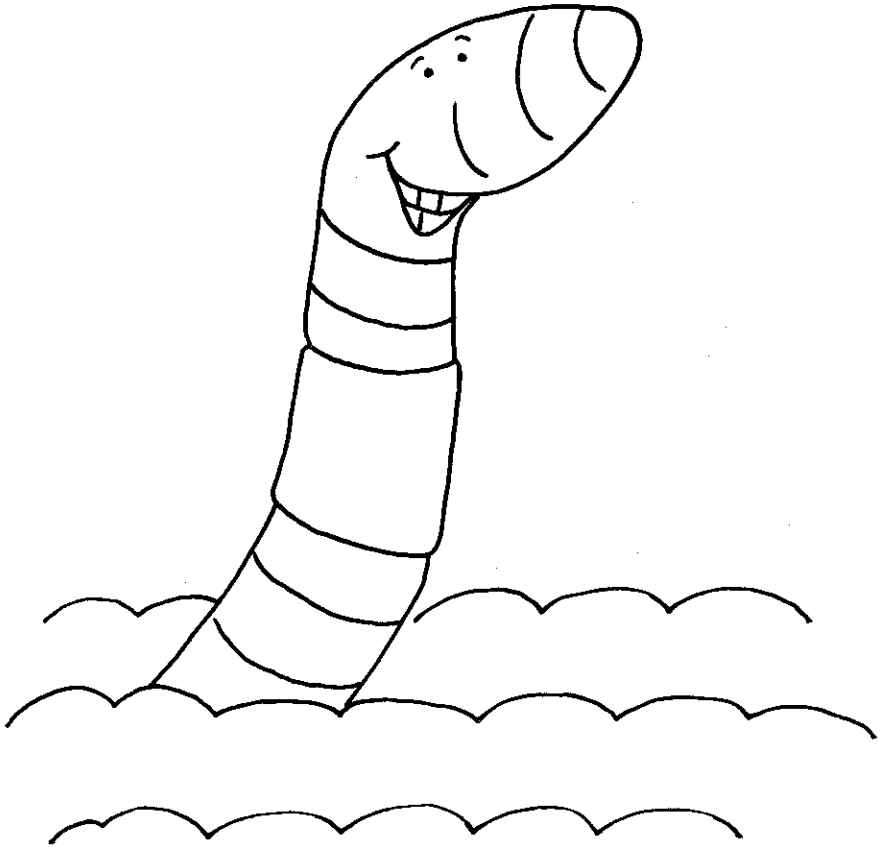
© Life Lab Science Program, Inc. 1992

What will the worm find as it travels through the soil? Draw a picture of the things it will see.



Page 8

Earthworm



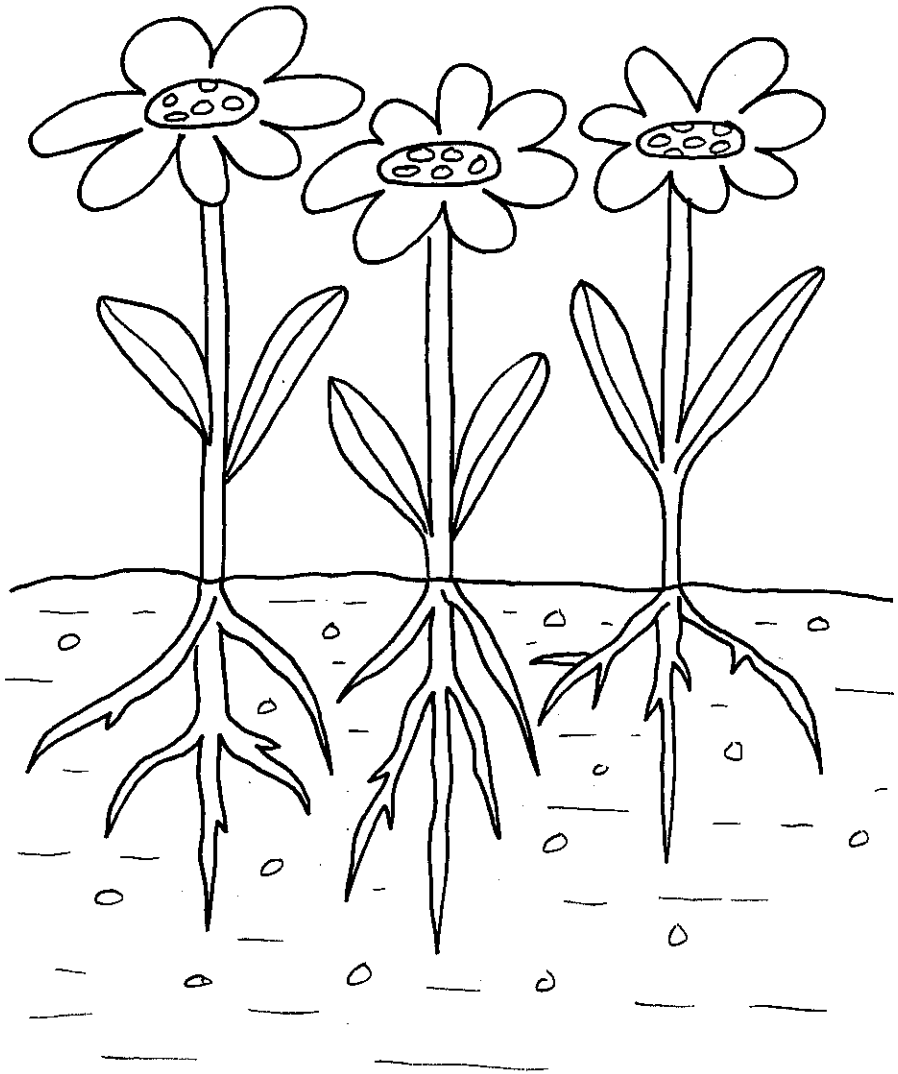
Page 1

© Life Lab Science Program, Inc. 1992

Earthworm,
I dig for you.
I seek out your deep home.

Page 2

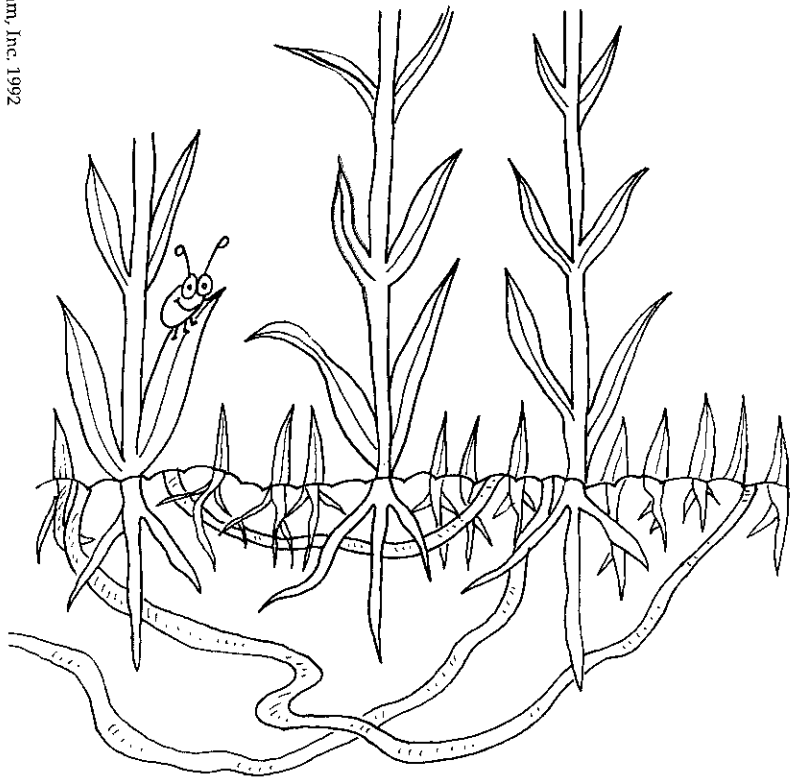
To grow in.



Page 7

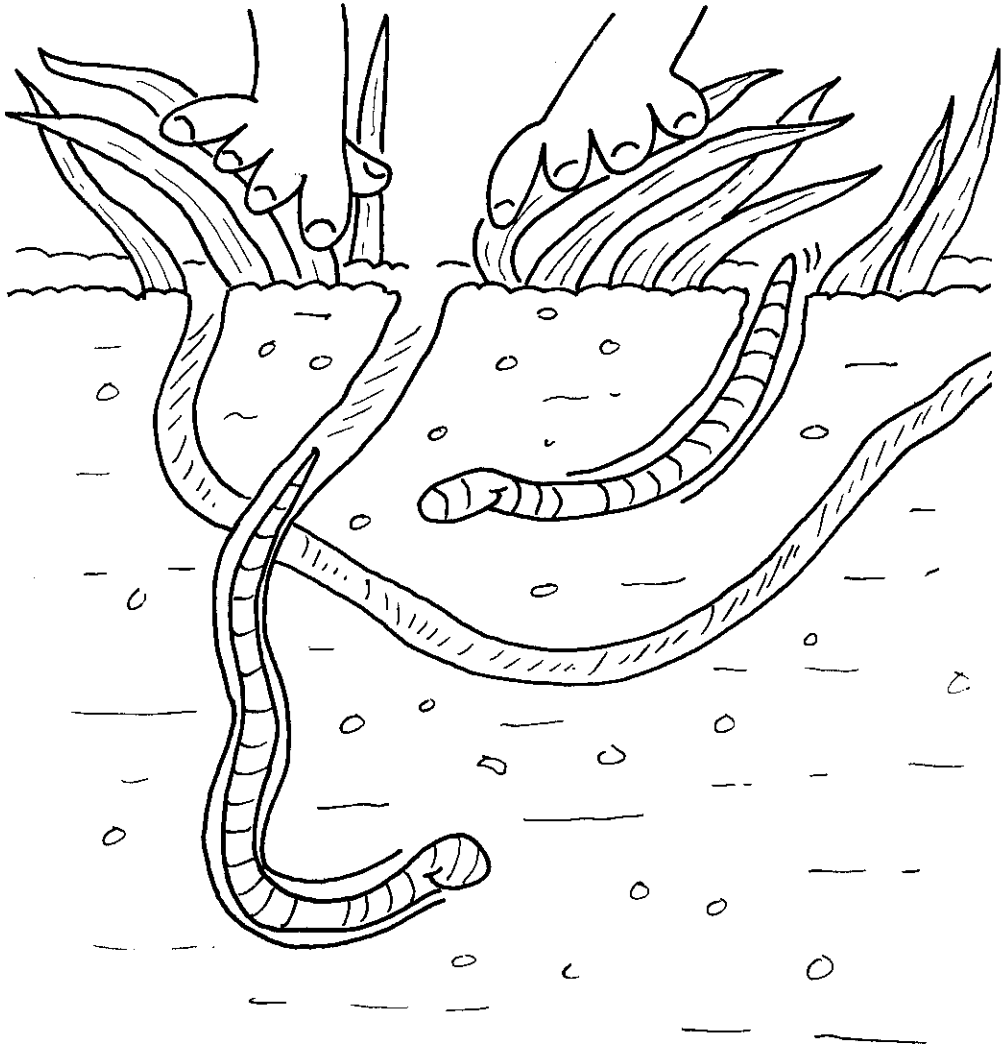
© Life Lab Science Program, Inc. 1992

For our garden



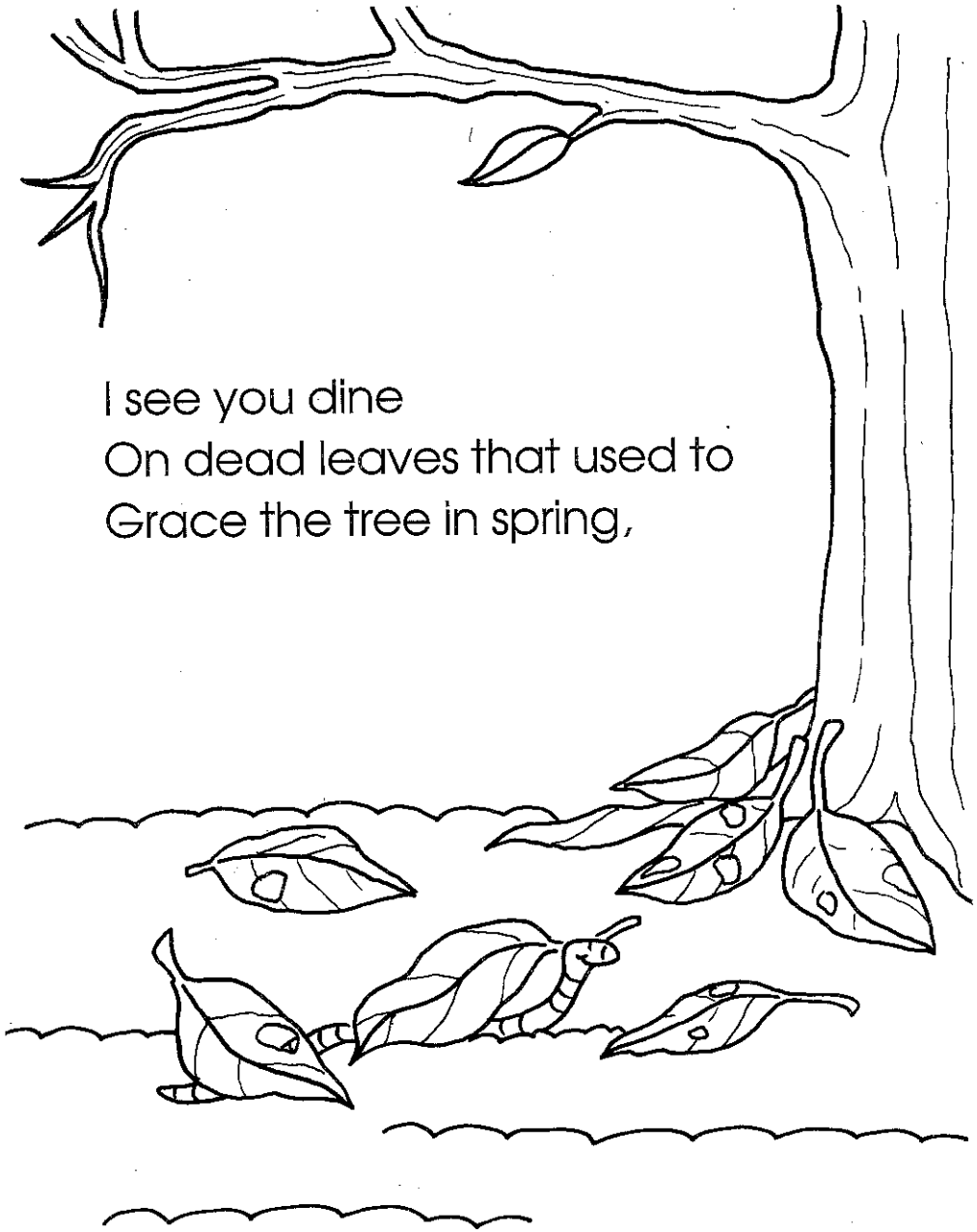
Page 6

I watch you push, pull,
Slipping through dirt,
Making tunnels in the dark earth.



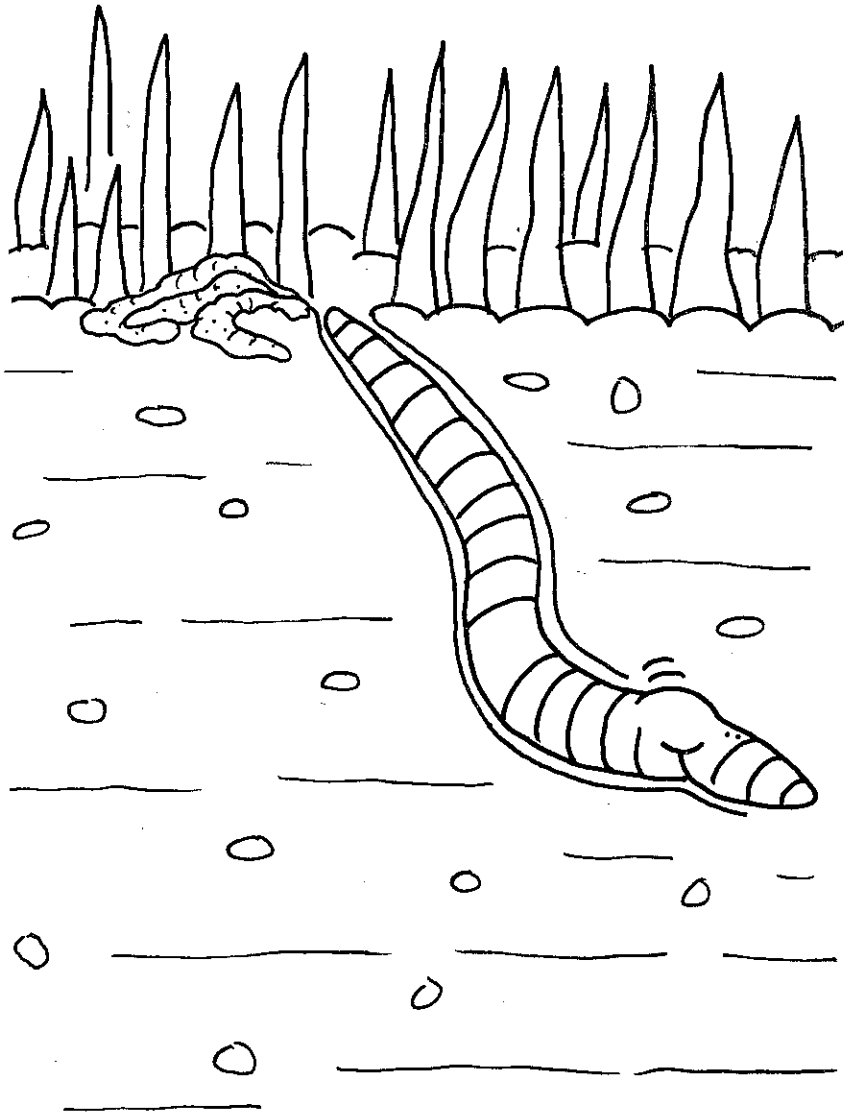
Page 3

© Life Lab Science Program, Inc. 1992



Page 4

Casting them off
To make rich soil



Page 5

© Life Lab Science Program, Inc. 1992

It's in the Bag

Part 1

Names_____ Date_____

_____

BEFORE

This is a picture of the object we put in the bag.

Our object is a_____.

It comes from a_____.

In 3 weeks we think the object will look:

____the same as now. ____different than now.

© Life Lab Science Program, Inc. 1992

It's in the Bag

Part 2

Names_____Date_____

_____

AFTER

This is a picture of the object we put in the bag_____ weeks ago.

It looks

_____the same as before._____different than before.

This is what we think happened:

_____.

© Life Lab Science Program, Inc. 1992

Observing Earth's Cycles

© Life Lab Science Program, Inc. 1992

Month_____ Name_____

Monday	Tuesday	Wednesday	Thursday	Friday

© Life Lab Science Program, Inc. 1992

The Difference a Day Makes

Names_____Date_____

_____

We are observing_____.

It looks like this in the morning:

Its color is_____.

It smells like_____.

It feels like_____.

We also notice:

_____

_____.

© Life Lab Science Program, Inc. 1992

It looks like this in the afternoon:

Its color is _____.

It smells like _____.

It feels like _____.

We also notice:

_____

_____.

This is how our object changed:

_____.

© Life Lab Science Program, Inc. 1992

Today is_____.

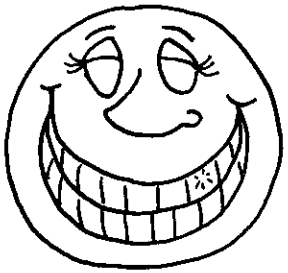
This is how the moon looked tonight:

Page 8

Moon Journal

by

_____

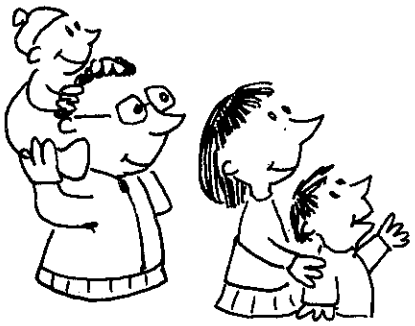


Page 1

© Life Lab Science Program, Inc. 1992

Dear Parent or Guardian,

This month we will be observing changes in the moon.
During the next few weeks, please observe the moon with your child every _____ and_____.
Each time you observe the moon together, assist your child in making a sketch of the moon in the Moon Journal. Please look for the moon this afternoon or evening, and have your child bring the Journal to school tomorrow.



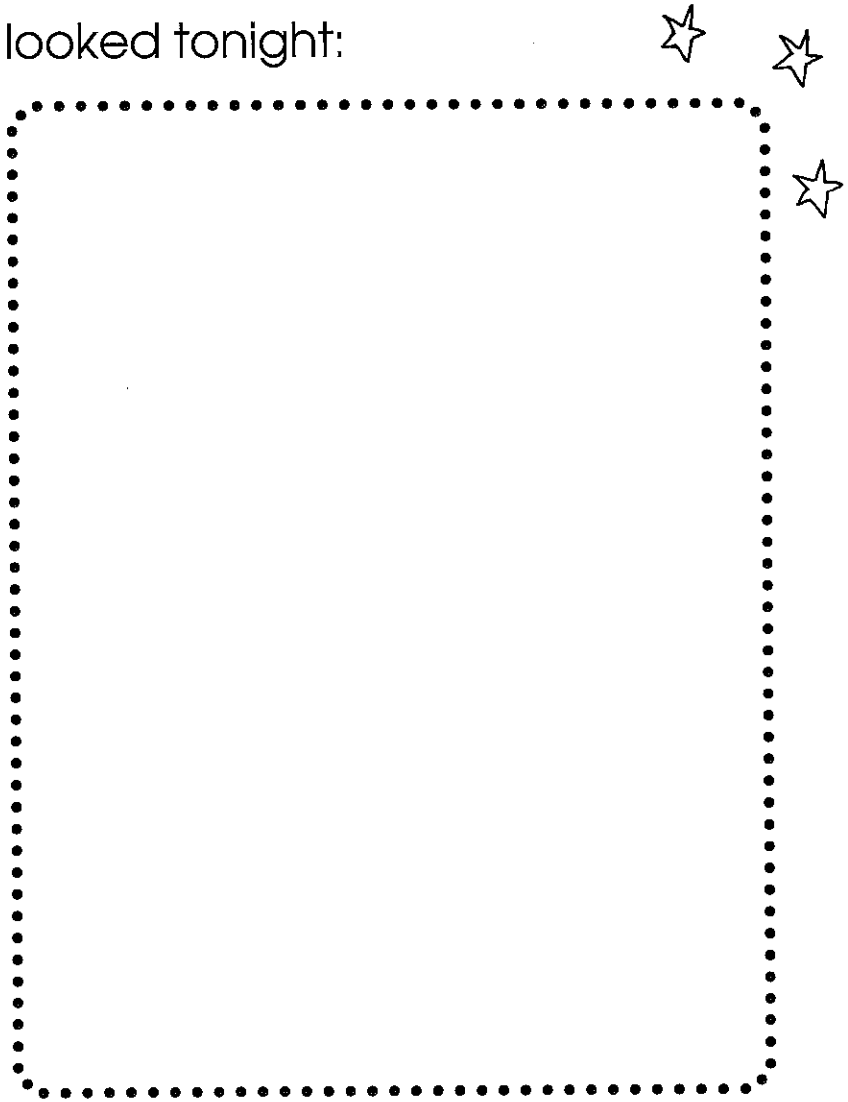
Today is_____.

This is how the moon looked tonight:

© Life Lab Science Program, Inc. 1992

Today is _____.

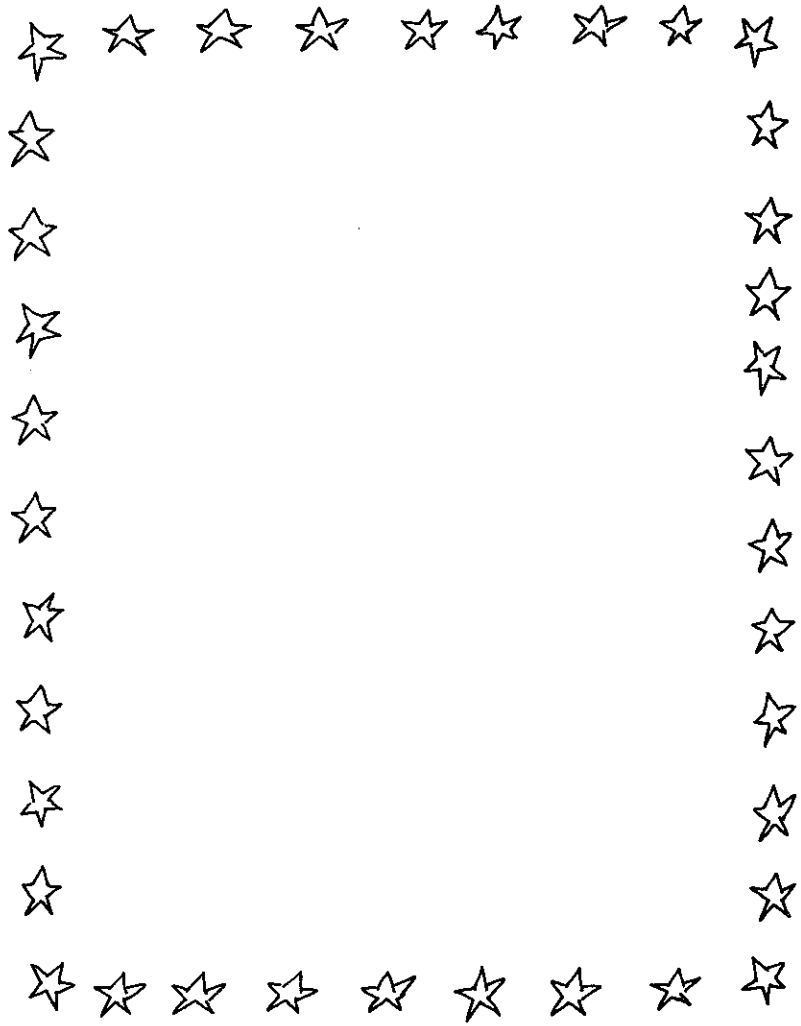
This is how the moon looked tonight:



Page 6

Today is _____.

This is how the moon looked tonight:



Page 3

© Life Lab Science Program, Inc. 1992

Today is_____.

This is how the moon
looked tonight:

Page 4

Today is _____.

This is how the moon
looked tonight:

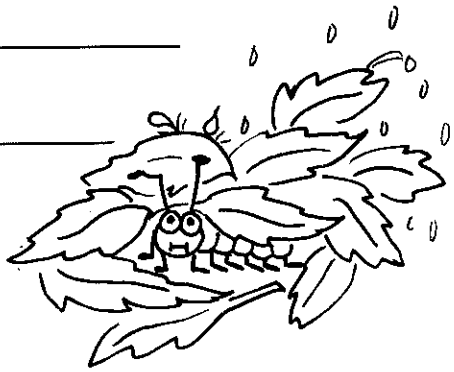
Page 5

© Life Lab Science Program, Inc. 1992

Collector's Corner

Name _____

Season _____



Objects we find outside this time of year are:

_____ _____

_____ _____

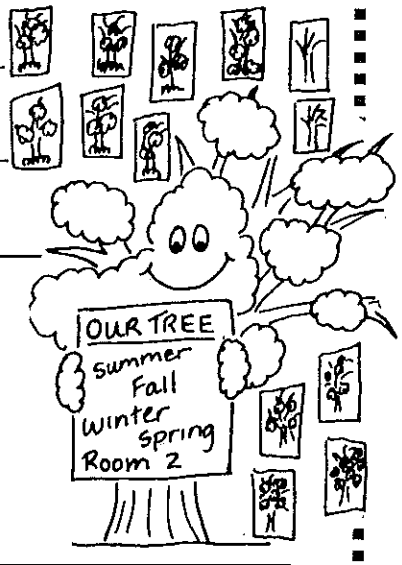
© Life Lab Science Program, Inc. 1992

A Tree for All Seasons

Name_____

Date_____

Season_____



Here is a picture of our tree. There I am standing next to the tree.

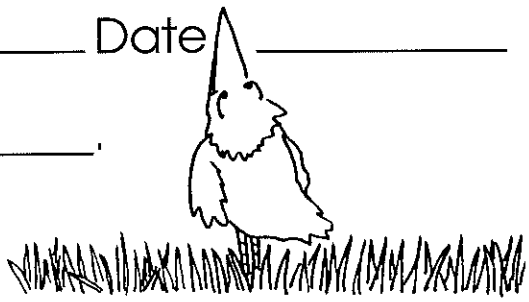
© Life Lab Science Program, Inc. 1992

Checking Out Changes

Names_____ Date _____

We are observing_____.

It looks like this in the morning:



Its color is_____.

It smells like_____.

It feels like _____.

We also notice:

_____.

© Life Lab Science Program, Inc. 1992

GUESS

We think it will look like this in the afternoon:

_____.

TELL

It looks like this in the afternoon:

Its color is _____.

It smells like _____.

It feels like _____.

We also notice:

_____.

This is how our object changed:

_____.

© Life Lab Science Program, Inc. 1992

Investigating Weather

© Life Lab Science Program, Inc. 1992

Month_____ Name_____

Monday	Tuesday	Wednesday	Thursday	Friday

© Life Lab Science Program, Inc. 1992

What do YOU like to do on a Saturday in the rain?

Draw a picture of what you like to do.

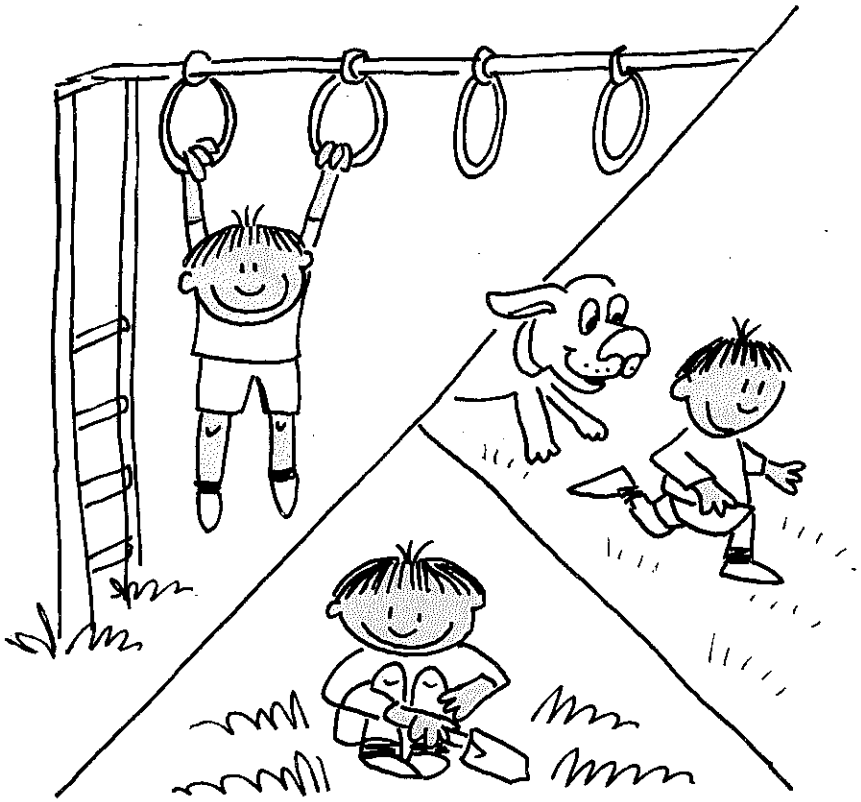
Page 8

It's Saturday! HOORAY!

Page 1

© Life Lab Science Program, Inc. 1992

It's Saturday! HOORAY!
It's a racing-in-the-park day.
A day for digging in the garden.
A day for climbing jungle gyms.
It's a play-until-dinner-time kind of day.
It's Saturday! HOORAY!



Page 2

No way, José!
It's a great day. A wonderful day!
A teaching-the-dog-new-tricks day.
A day for racing cars and building blocks.
A day for picture-making and cookie-baking.
A fire-in-the-fireplace kind of day.

Page 7

© Life Lab Science Program, Inc. 1992

It's Saturday. But no HOORAY.
It going to be an "I've-got-
nothing-to-do" day!
An indoors day!
A gray day!
A boring day!
A wish-I-had-a-brother day!
It's Saturday. But no HOORAY.

Page 6

But wait! Why is it so dark?
I see
rain on the window pane,
rivers in the garden,
puddles on the sidewalk.
Rain, rain, everywhere!

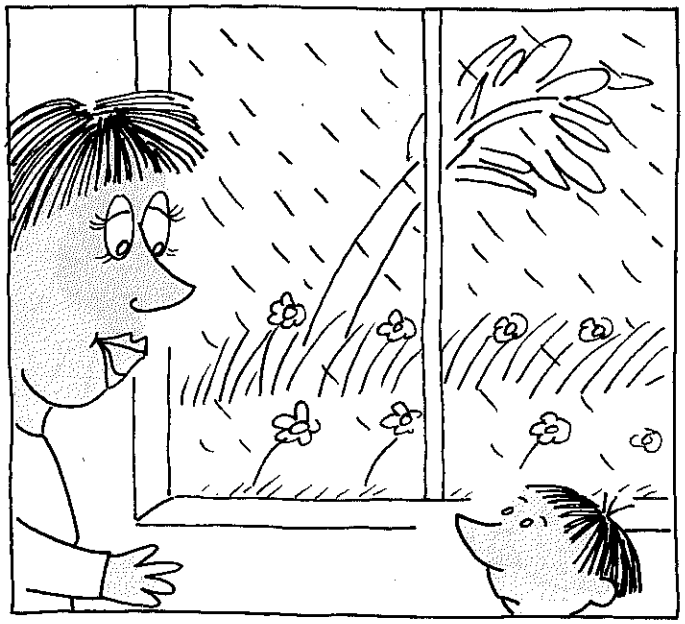
Page 3

© Life Lab Science Program, Inc. 1992

It's raining! HOORAY!
It's a yellow-slicker-and-boots day.
A day for jumping in puddles.
A day for running in the rain.
It's a splashing-like-a-duck
kind of day.
It's raining! HOORAY!

Page 4

No way, José!
It's a stay-in-the-house-
all-day rain.
It's a hard rain. It's an icy rain.
A trees-bending-in-
the-wind rain.
It's NOT a playing-in-the-rain
kind of rain!
No way, José!



Page 5

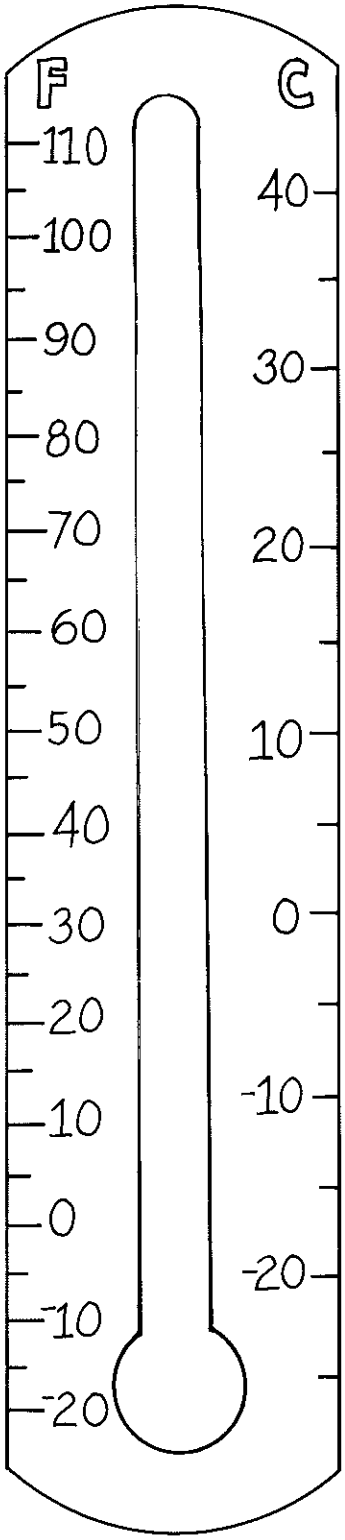
© Life Lab Science Program, Inc. 1992

Hot to Cold

Name_____

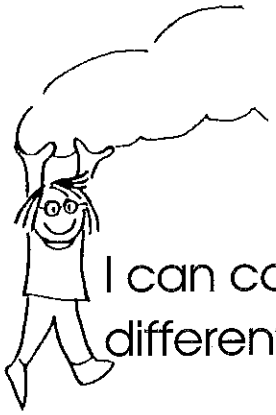
Date _____

I can color the thermometer so it looks just like the one in our classroom. This is the temperature in our classroom:

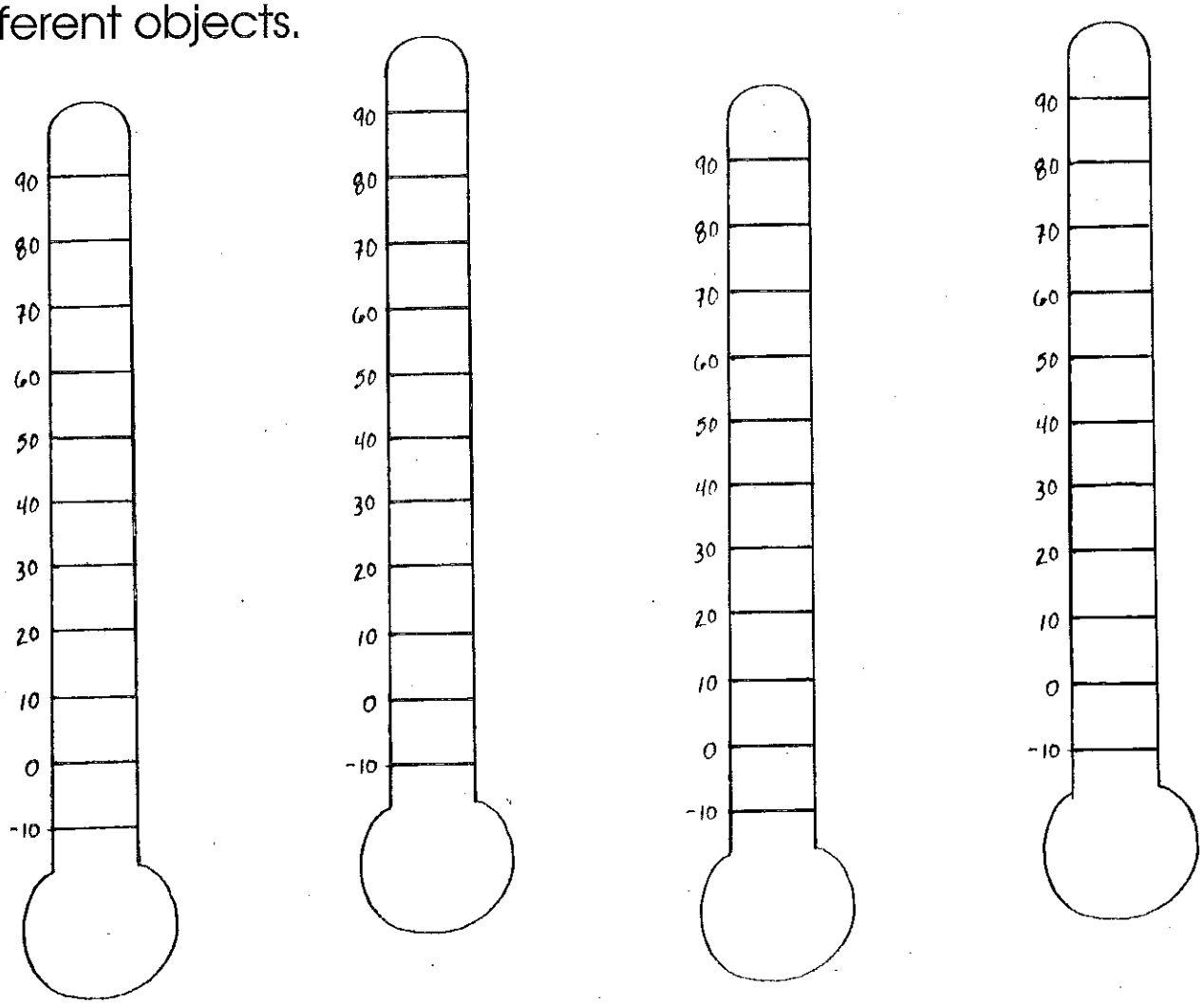


© Life Lab Science Program, Inc. 1992

Hot to Cold



I can color these thermometers to match the ones in the different objects.



1._____ 2._____ 3._____ 4._____

Write HOT next to the hottest temperature.

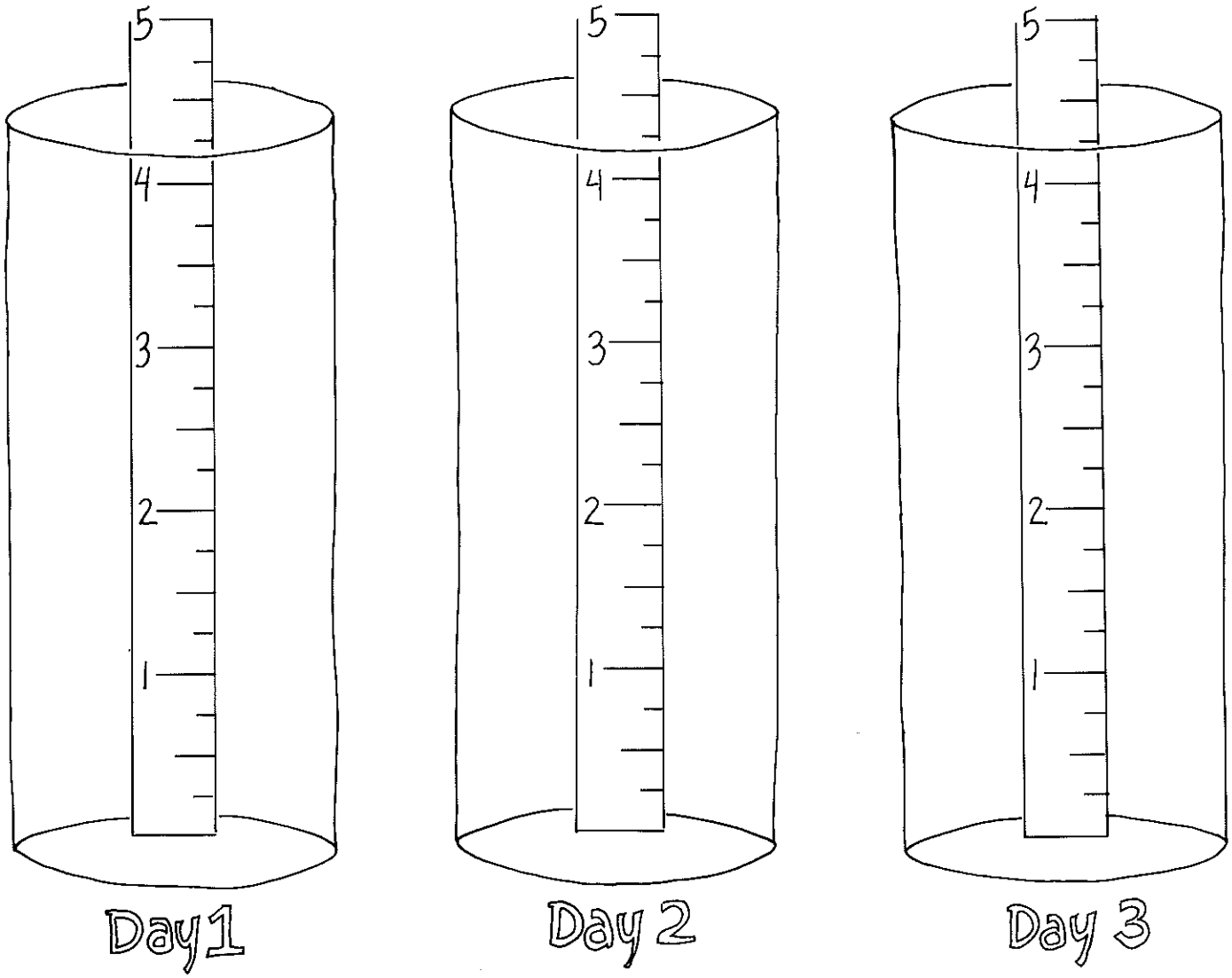
Write COLD next to the coldest temperature.

© Life Lab Science Program, Inc. 1992

Drop in the Bucket

Name_____ Date_____

I can color how much rain fell each day.



Which day had the most rain?_____

Which day had the least rain?_____

© Life Lab Science Program, Inc. 1992

© Life Lab Science Program, Inc. 1992

The Waving Wind

Name_____Date _____

Visit 1

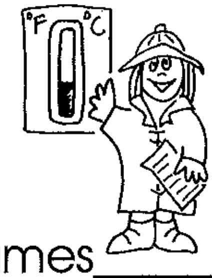
I can color the picture that looks the way our flag looks now.

Visit 2

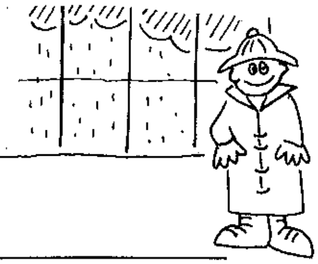
I can color the picture that looks the way our flag looks now.

Which visit had the most wind?_____

Here is my picture of the outdoors when it is windy.

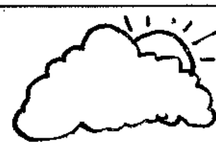
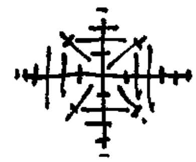


Weather Roundup



Names______________________________ Date____________

____

Sunny Days	Rainy Days	Cloudy Days	Windy Days	Snowy Days
________	________	________	________	________

This is how many days we had of each type of weather.

© Life Lab Science Program, Inc. 1992

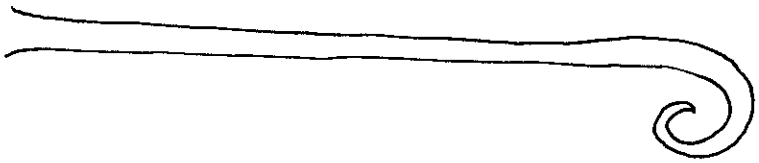
Tomorrow is_____.

This is what I think the weather will be like tomorrow:

Page 8

_____'s

Weather Report



Page 1

© Life Lab Science Program, Inc. 1992

Today is_____.

It's a_____day.

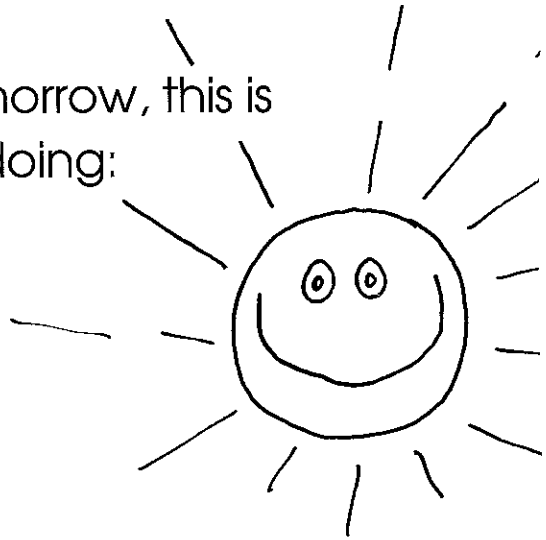
Page 2

If it's windy tomorrow, this is the way the trees will look:

Page 7

© Life Lab Science Program, Inc. 1992

If it's sunny tomorrow, this is what I will be doing:

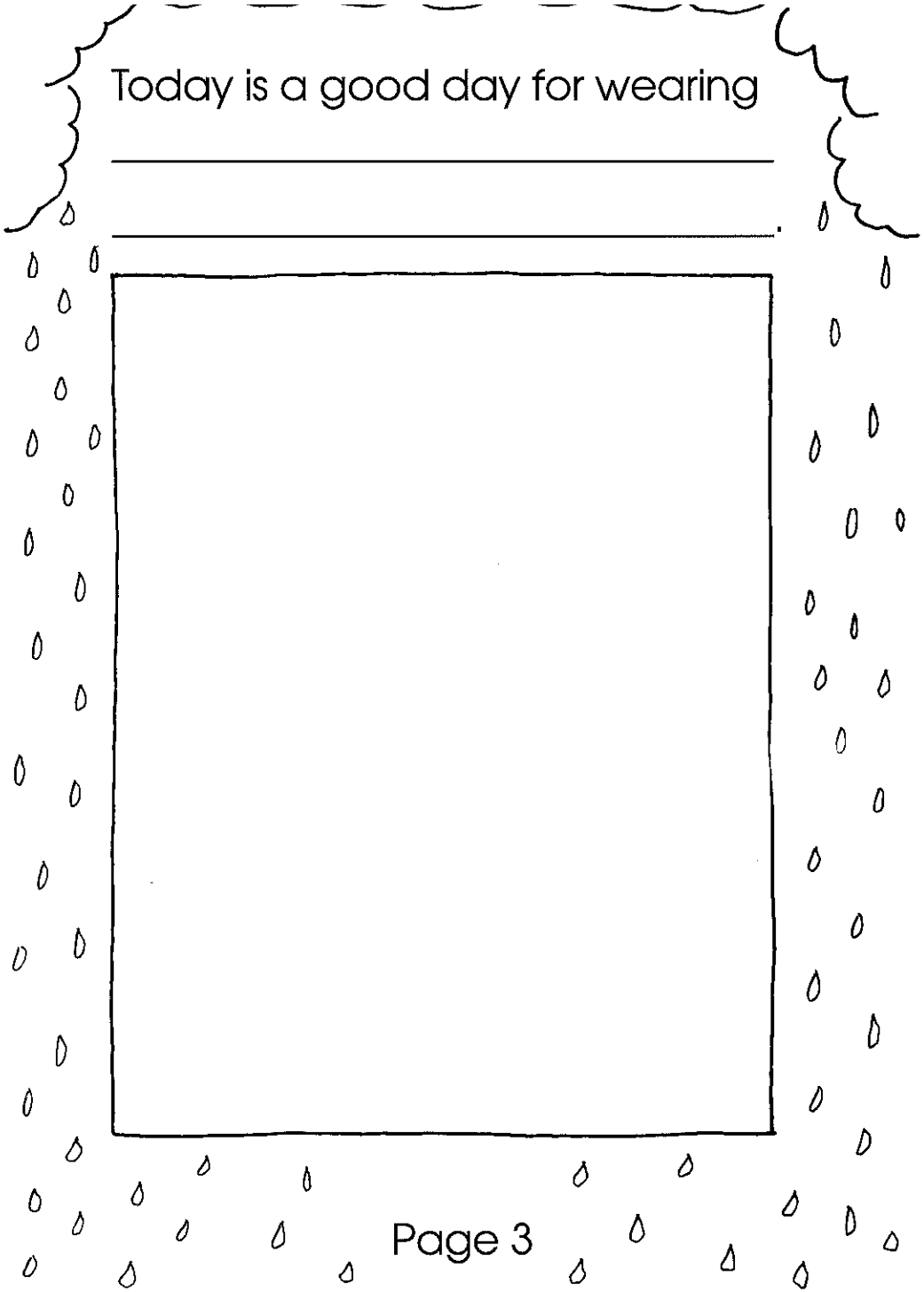


Page 6

Today is a good day for wearing

_____

_____.



Page 3

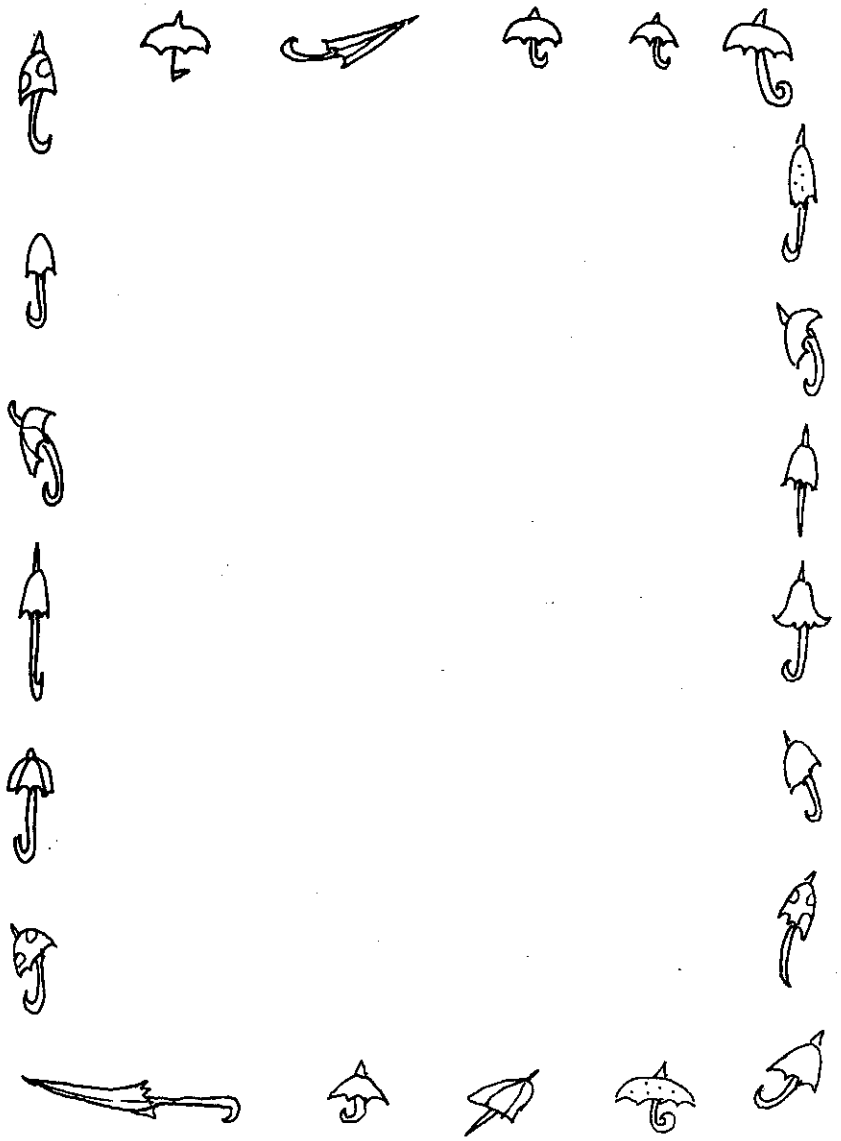
© Life Lab Science Program, Inc. 1992

Today is a good day for playing

_____.

Page 4

If it rains tomorrow, this is how the sky will look:



Page 5

© Life Lab Science Program, Inc. 1992

Exploring Plant Life

© Life Lab Science Program, Inc. 1992

Month_____ Name_____

Monday	Tuesday	Wednesday	Thursday	Friday

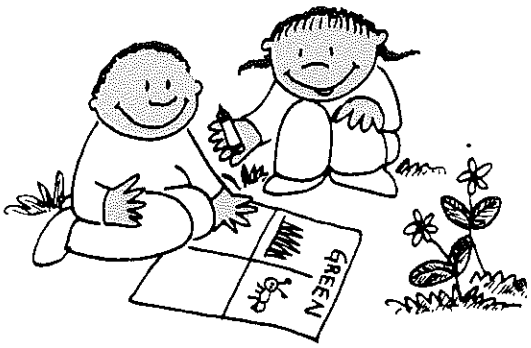
© Life Lab Science Program, Inc. 1992

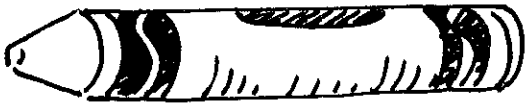
Pick the Plant

Name_____Date_____

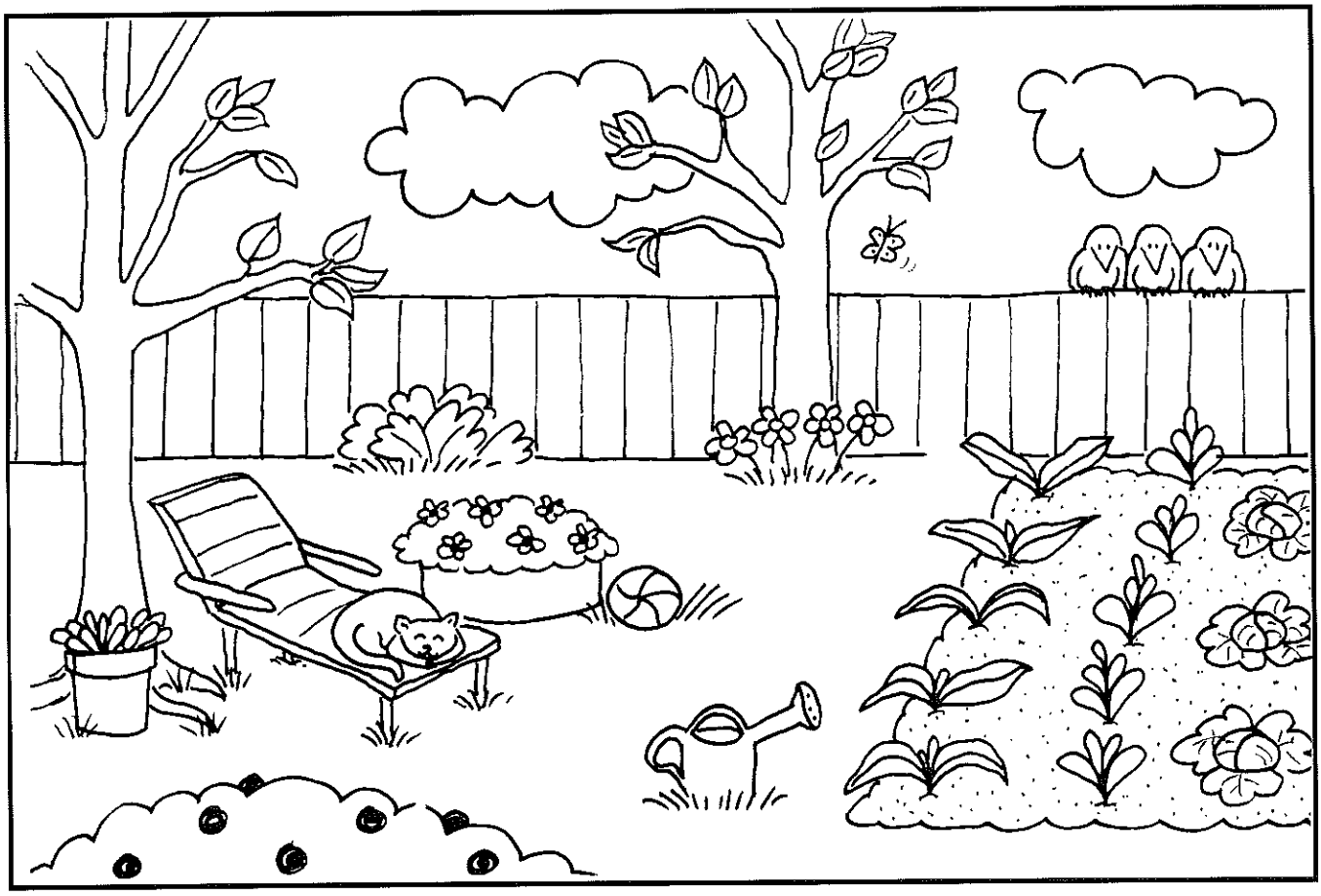
Day 1:

I used this color to circle the plants.



Day 2: 

I used this color to circle all the living things.

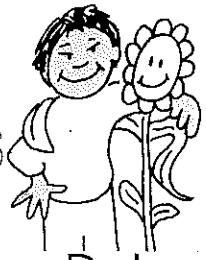


Day 1: This is the number of plants I found:_____

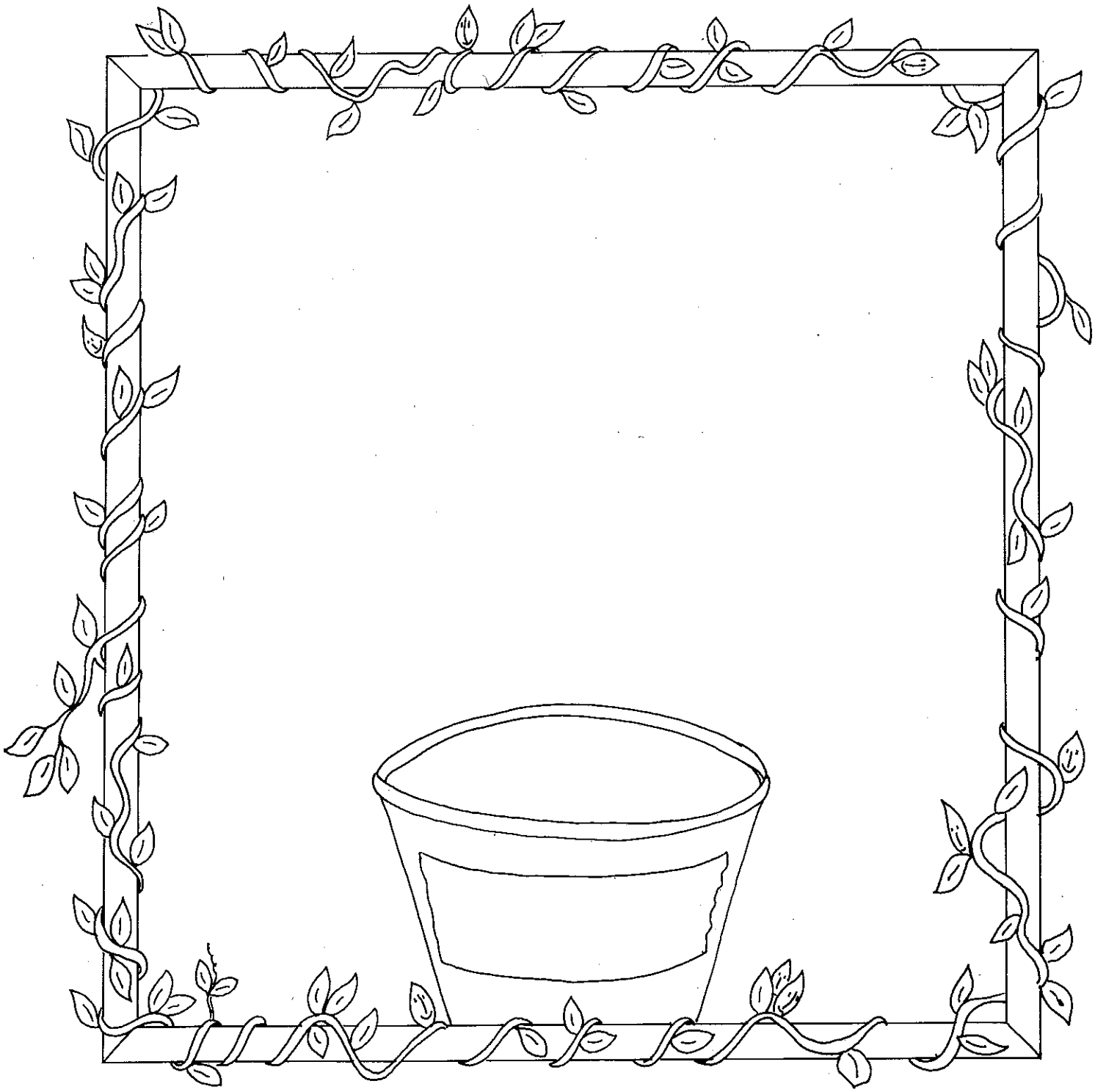
Day 2: This is the number of living things I found:_____

© Life Lab Science Program, Inc. 1992

Pet Plants



Name_____Date_____



© Life Lab Science Program, Inc. 1992

Today is _____.

This is how my pet plant looks today:

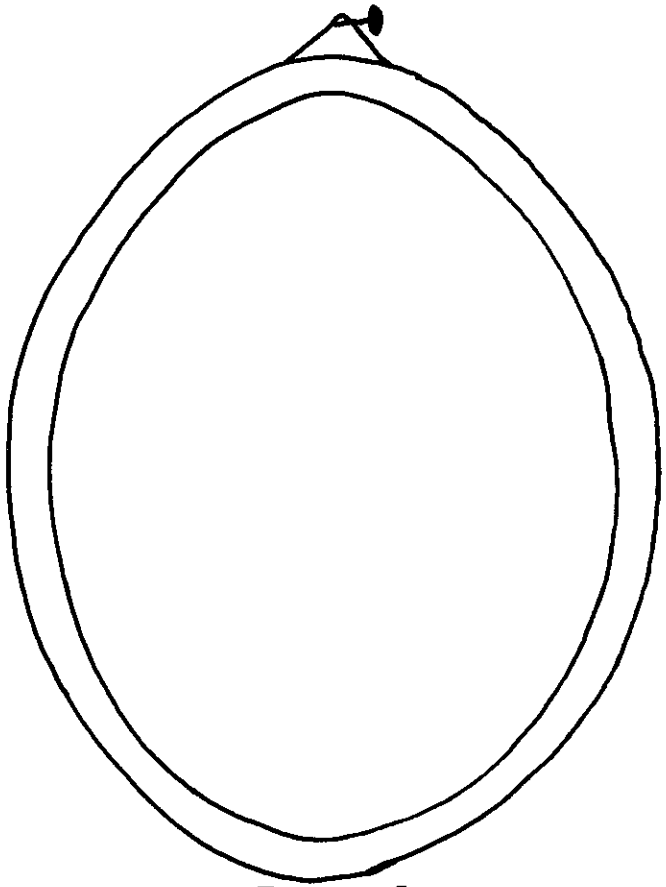
This is something new about my plant:_____

_____.

Page 8

My Pet Plant Album

by _____

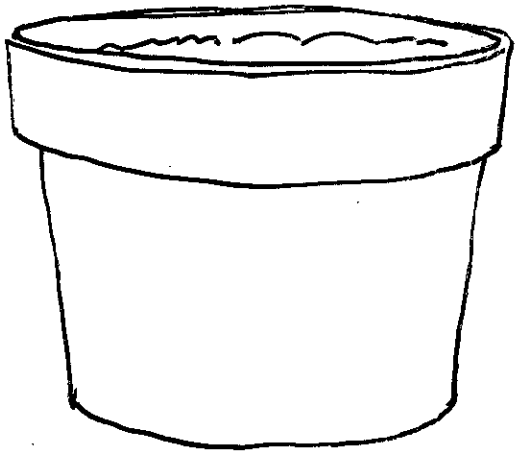


Page 1

© Life Lab Science Program, Inc. 1992

Growing Predictions

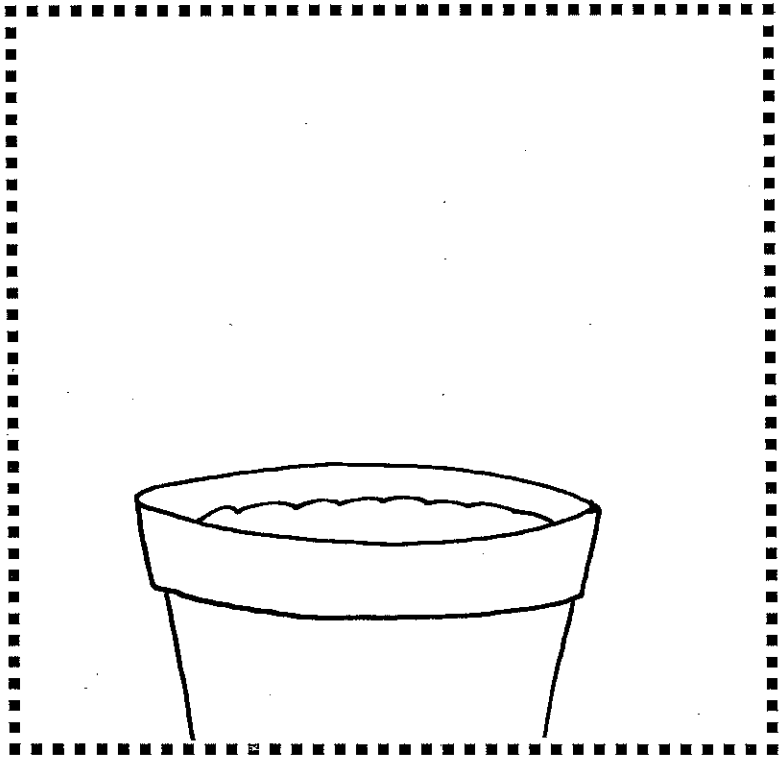
I think my plant will look like this after it grows:



Page 2

Today is _____.

This is how my pet plant looks today:



This is something new about my plant:_____

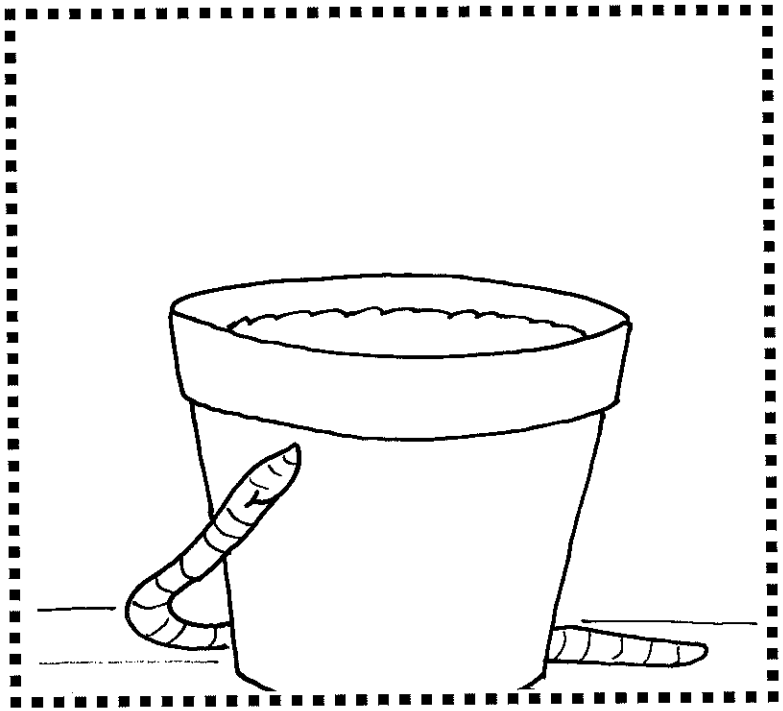
_____

Page 7

© Life Lab Science Program, Inc. 1992

Today is_____.

This is how my pet plant looks today:



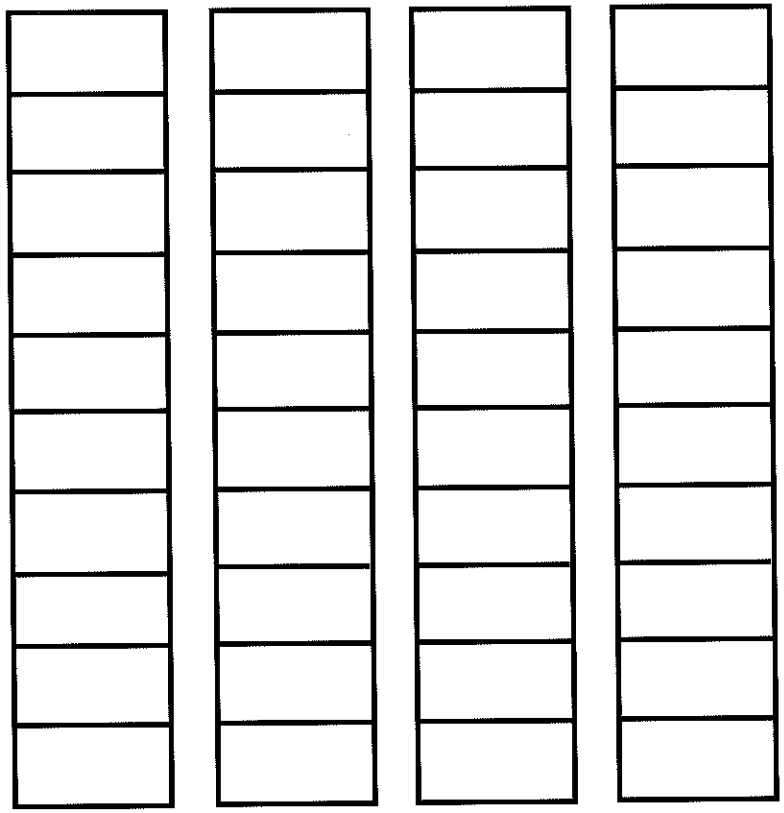
This is something new about my plant:_____

_____

Page 6

Leaf Counting

Today I colored in a box for each leaf on my plant.



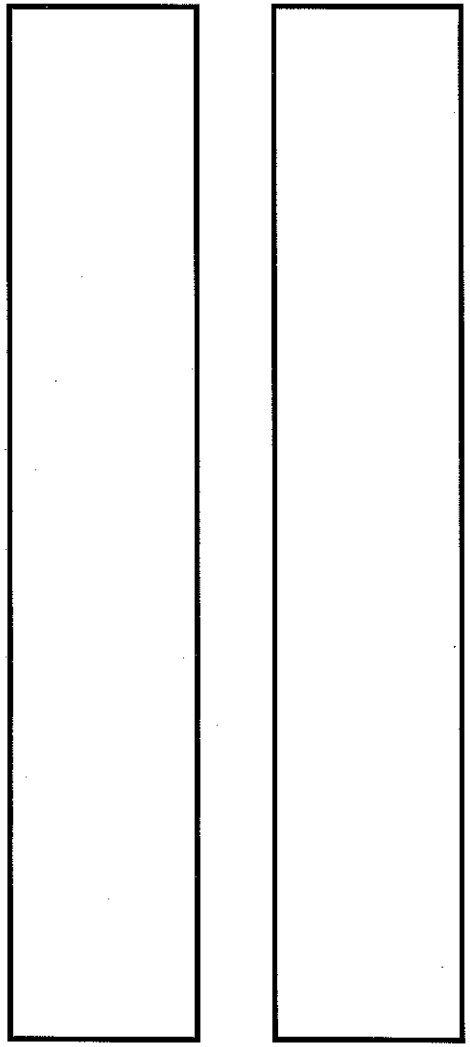
Week 1 Week 2 Week 3 Week 4

Page 3

© Life Lab Science Program, Inc. 1992

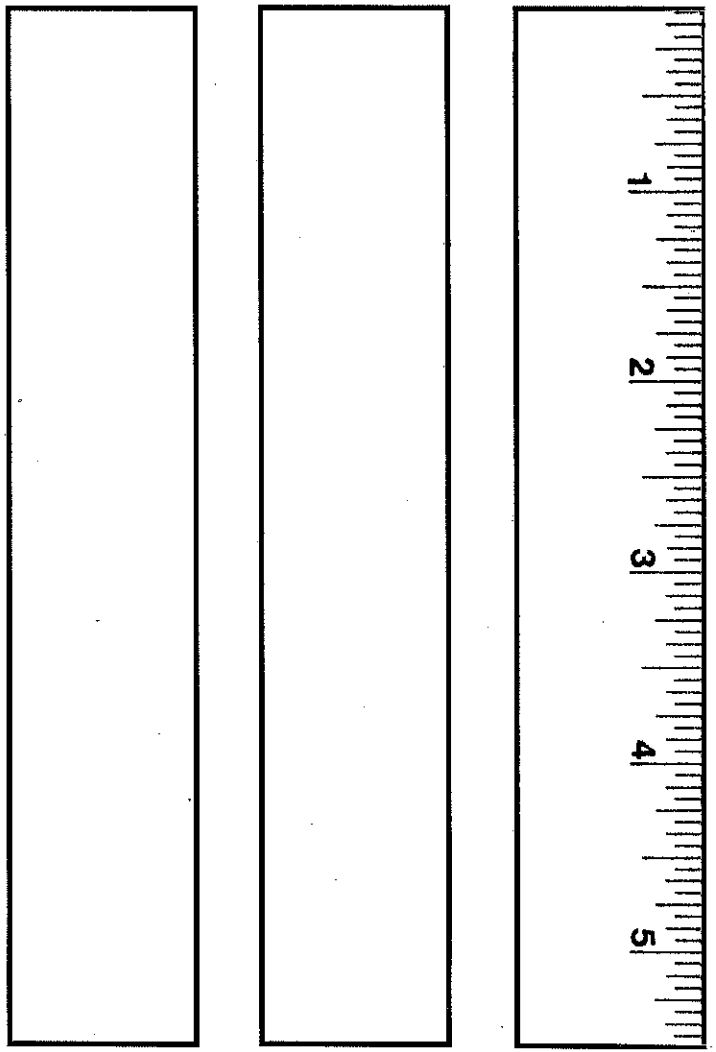
Growth Chart

This is how tall my plant is today:



Week 1 Week 2

Page 4



Week 3 Week 4

Page 5

© Life Lab Science Program, Inc. 1992

From Flowers to Fruit

Name_____

Name of Plant_____

My flower looks like this on_____:
(Date)

I guess that next week it will_____

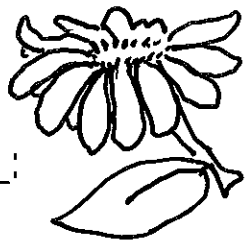
_____.

My flower looks like this on_____:
(Date)

I guess that next week it will_____

_____.

© Life Lab Science Program, Inc. 1992



My flower looks like this on_____:

(Date)

I guess that next week it will_____

_____.

My flower looks like this on_____:

(Date)

Since I first watched my flower, it has_____

_____.

© Life Lab Science Program, Inc. 1992

Exploring Animal Life

© Life Lab Science Program, Inc. 1992

Month_____ Name_____

Monday	Tuesday	Wednesday	Thursday	Friday

© Life Lab Science Program, Inc. 1992

Is It an Animal?

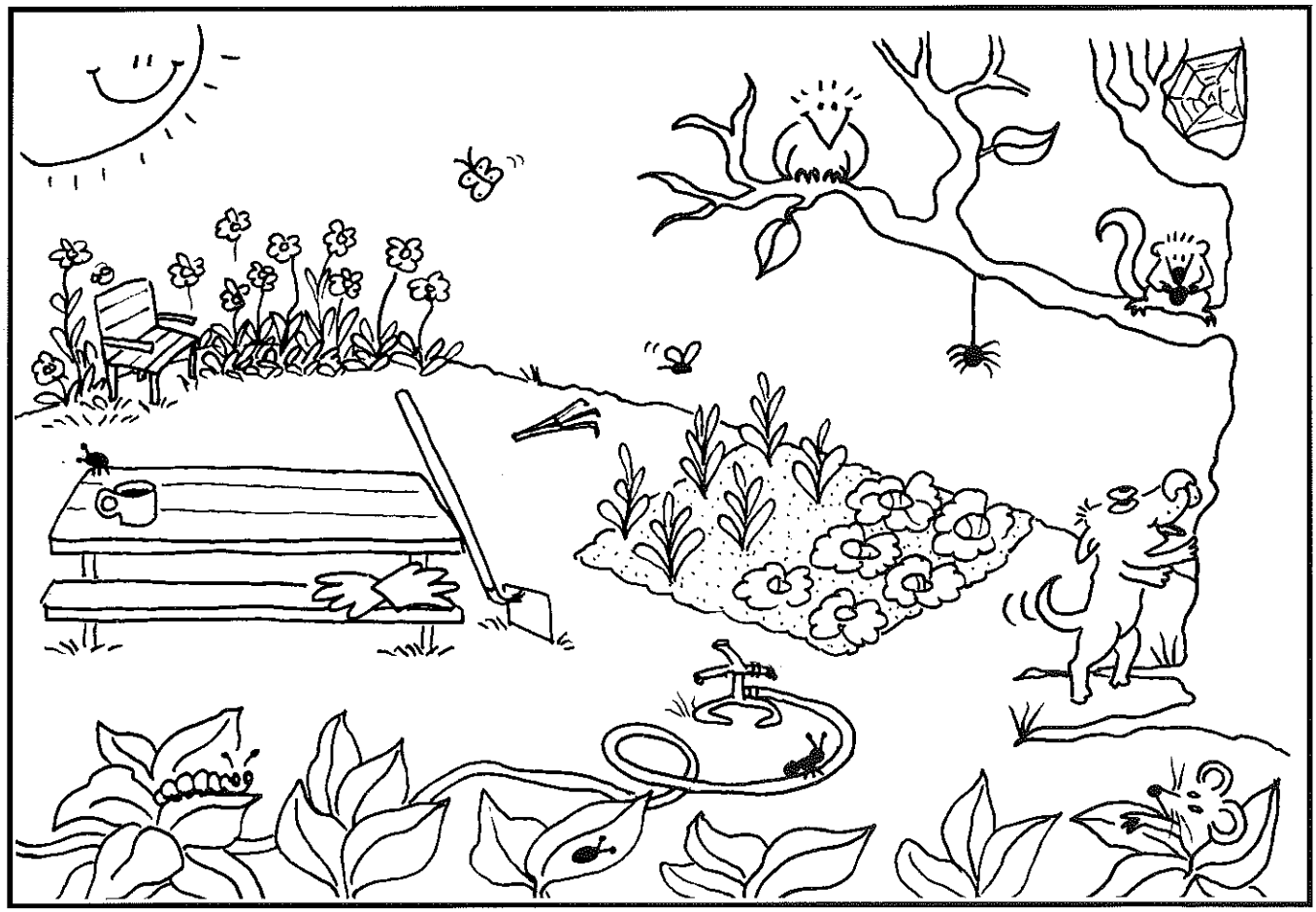
Name_____Date_____

Day 1:

I used this color to circle the animals.

Day 2:

I used this color to circle all the living things.



Day 1: This is the number of animals I found._____

Day 2: This is the number of living things I found._____

© Life Lab Science Program, Inc. 1992

© Life Lab Science Program, Inc. 1992

Caring for Caterpillars

Name_____

Date:_____

This is how our caterpillar looks:

This is how long it is:

Date_____

This is how our caterpillar looks:

This is how long it is:

© Life Lab Science Program, Inc. 1992

Date:_____

This is how our caterpillar looks:

This is how long it is:

Date_____

This is how our caterpillar looks:

This is how long it is:

© Life Lab Science Program, Inc. 1992

Animal Hunt

Names_____Date_____

_____

Our animal visitor is a _____.

We think our animal may eat_____.

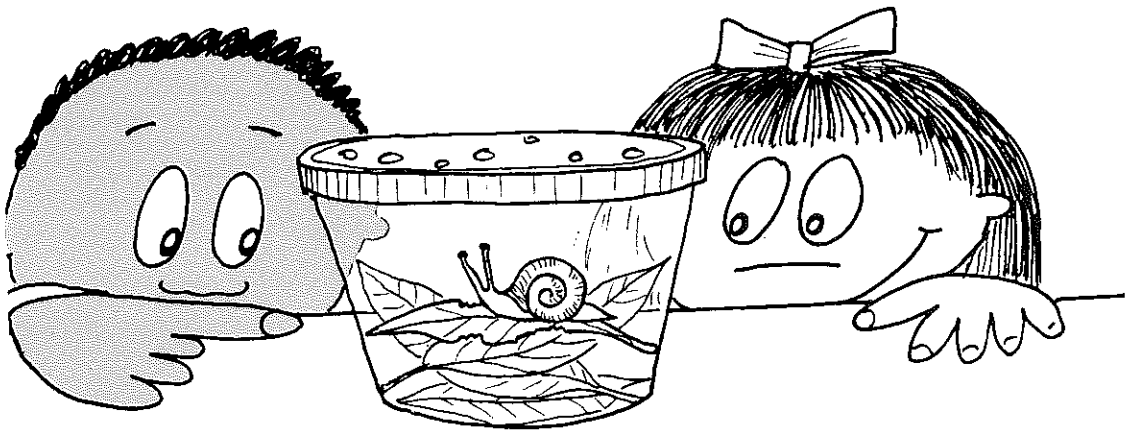
We found our animal on_____.

Questions we have about the animal:

_____

_____

_____



© Life Lab Science Program, Inc. 1992

Animal Portraits

Name_____ Date_____

Portrait of_____

My Animal's Head

My Animal's Leg
(or the part it moves with)

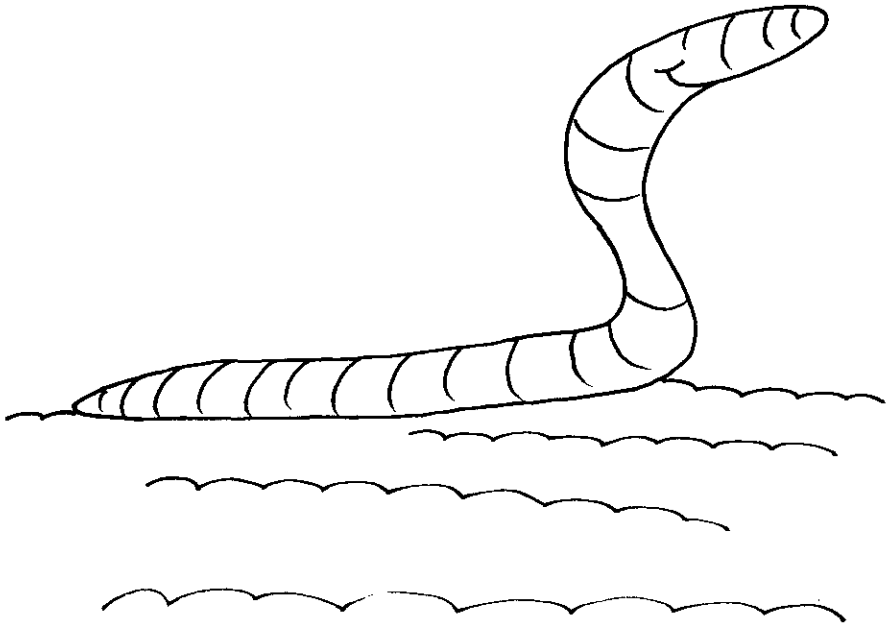
Other Parts of My Animal

The Whole Animal:

© Life Lab Science Program, Inc. 1992

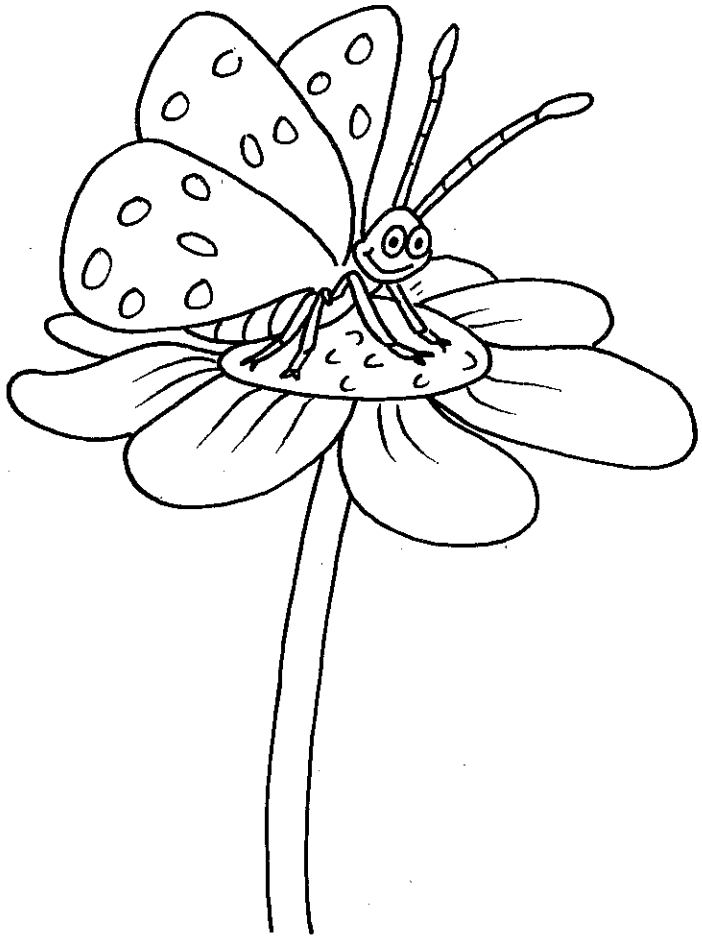
© Life Lab Science Program, Inc. 1992

Some animals have no legs.
Yet they still get around!
How do you suppose an
earthworm "walks"?



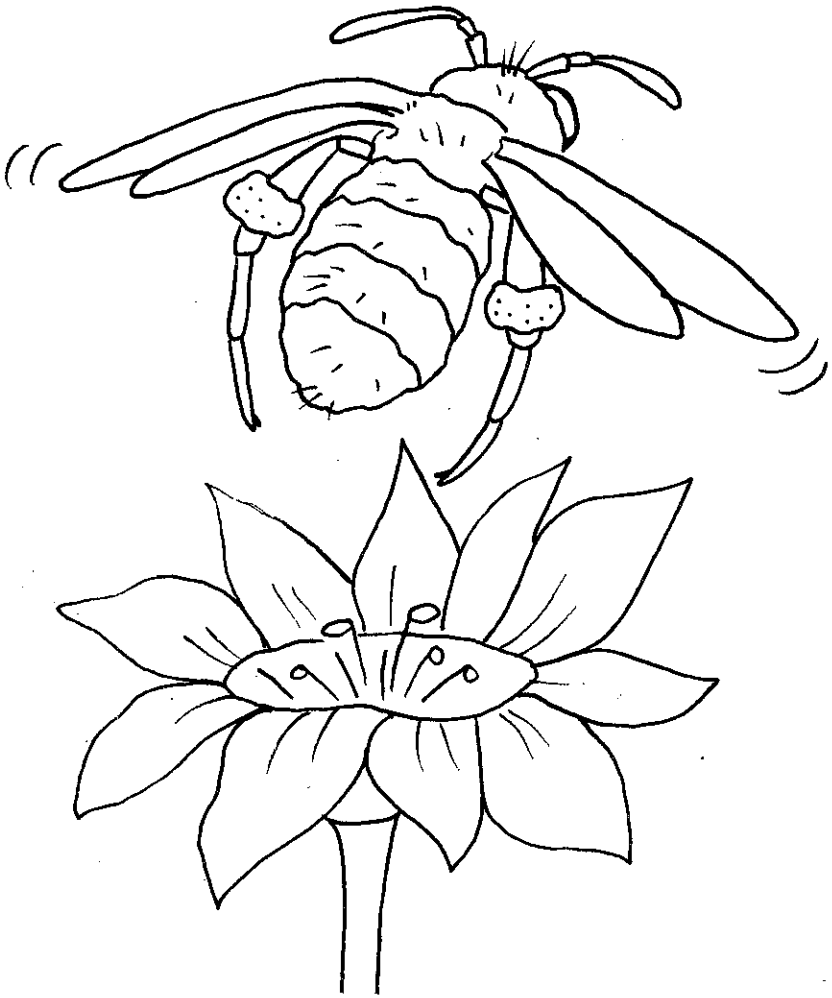
Are Legs Just for Walking?

Are legs just for walking?
Not if you're a butterfly.
A butterfly tastes nectar with
its feet!



Page 2

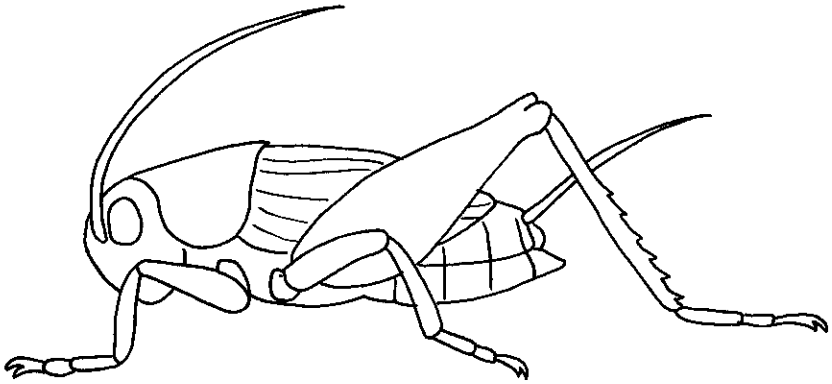
Are legs just for walking?
Not if you're a bee.
The bee carries lots of pollen
in two bags on its hind legs.



Page 7

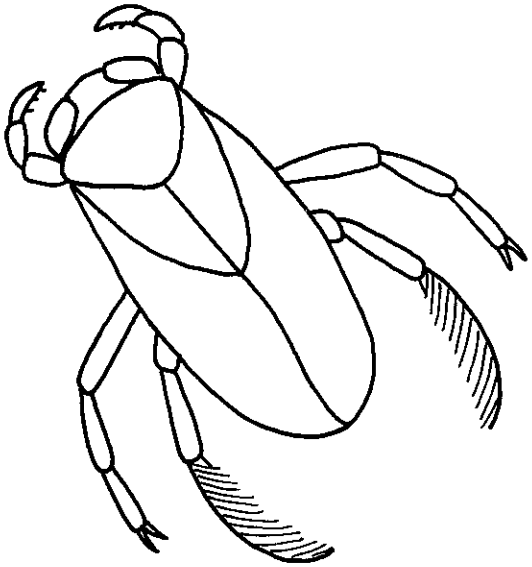
© Life Lab Science Program, Inc. 1992

Are legs just for walking?
Not if you're a cricket.
A cricket hears with its legs.
Its ears are on its front legs.



Page 3

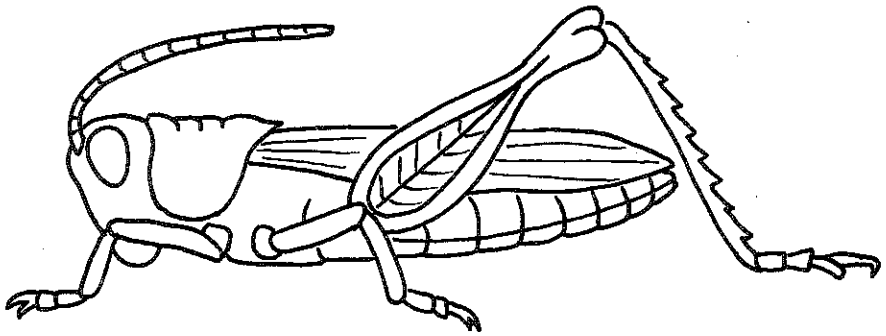
Are legs just for walking?
Not if you are a water boatman.
It uses its legs as oars,
and it rows through the water.



Page 6

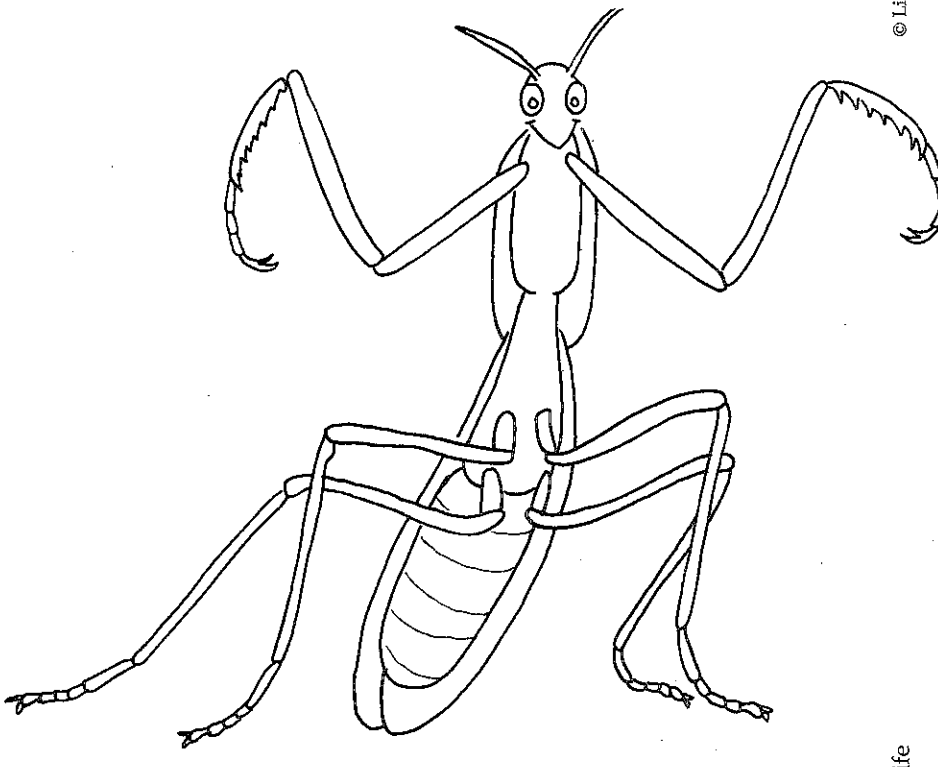
© Life Lab Science Program, Inc. 1992

Are legs just for walking?
Not if you're a grasshopper.
A grasshopper makes a shrill sound with its legs.
It makes a noise by rubbing its front legs against its wings.



Page 4

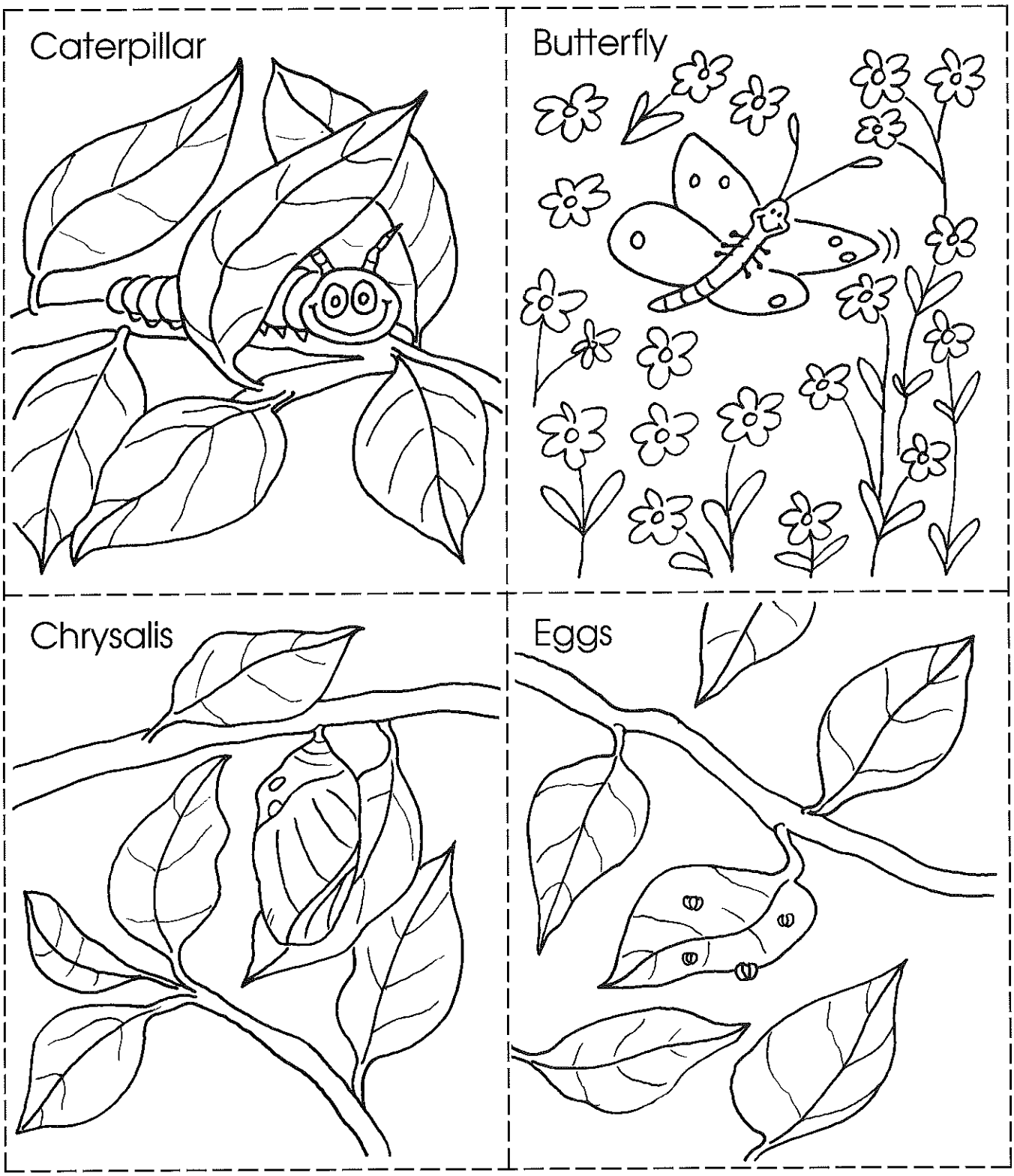
Are legs just for walking?
Not if you're a praying mantis.
A praying mantis uses its front legs to trap food.



Page 5

© Life Lab Science Program, Inc. 1992

From Caterpillar to Butterfly

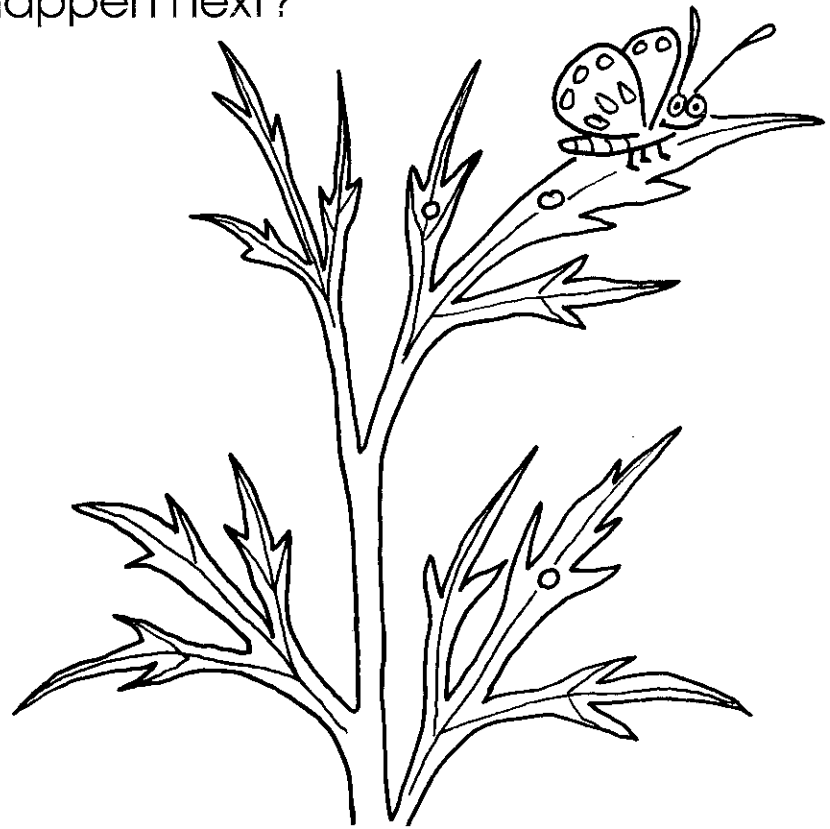


© Life Lab Science Program, Inc. 1992

© Life Lab Science Program, Inc. 1992

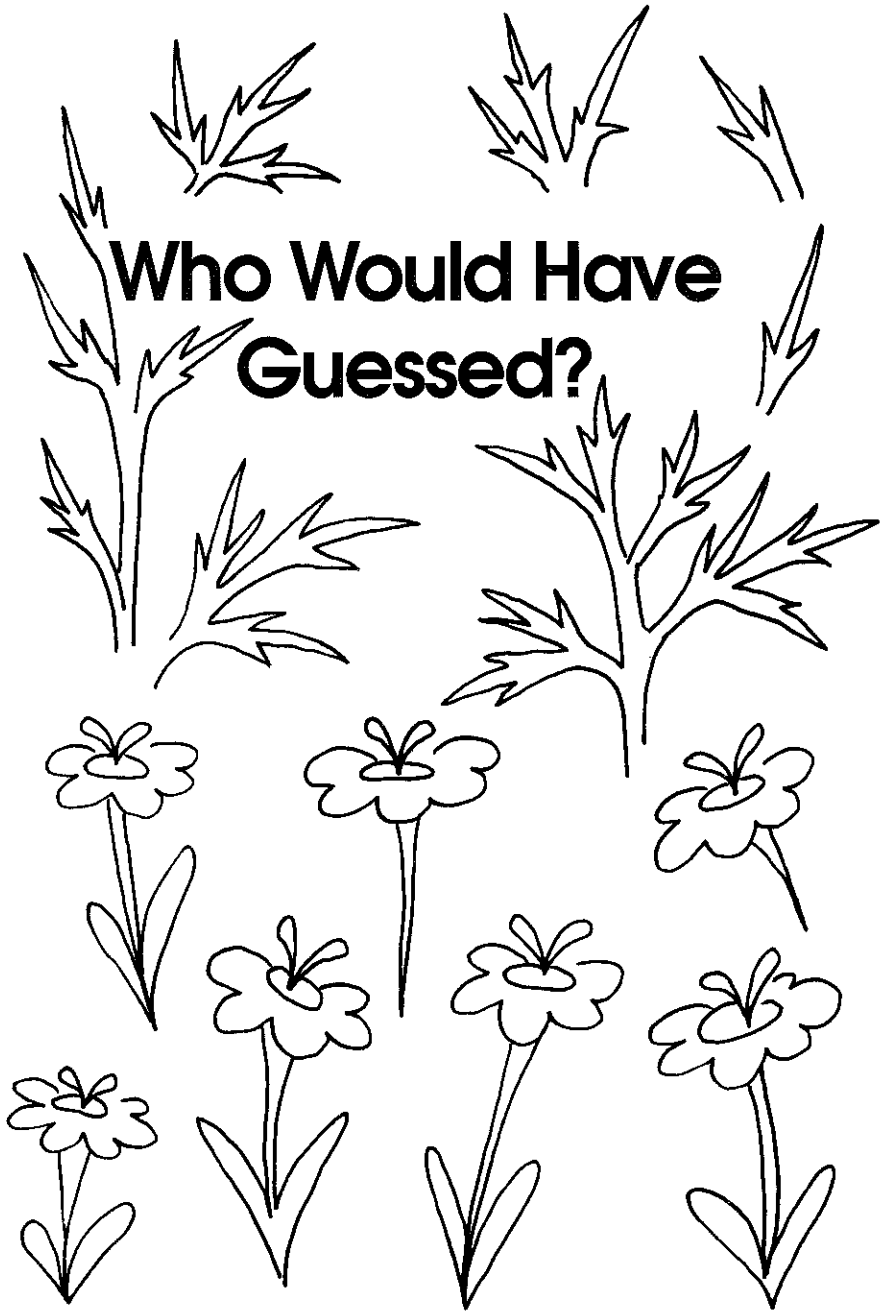
© Life Lab Science Program, Inc. 1992

Who would have believed it?
Who would believe that a
roly-poly caterpillar would turn
into a graceful butterfly?
Then the butterfly laid an egg
on a leaf.
What do you think will
happen next?



Page 8

Who Would Have Guessed?

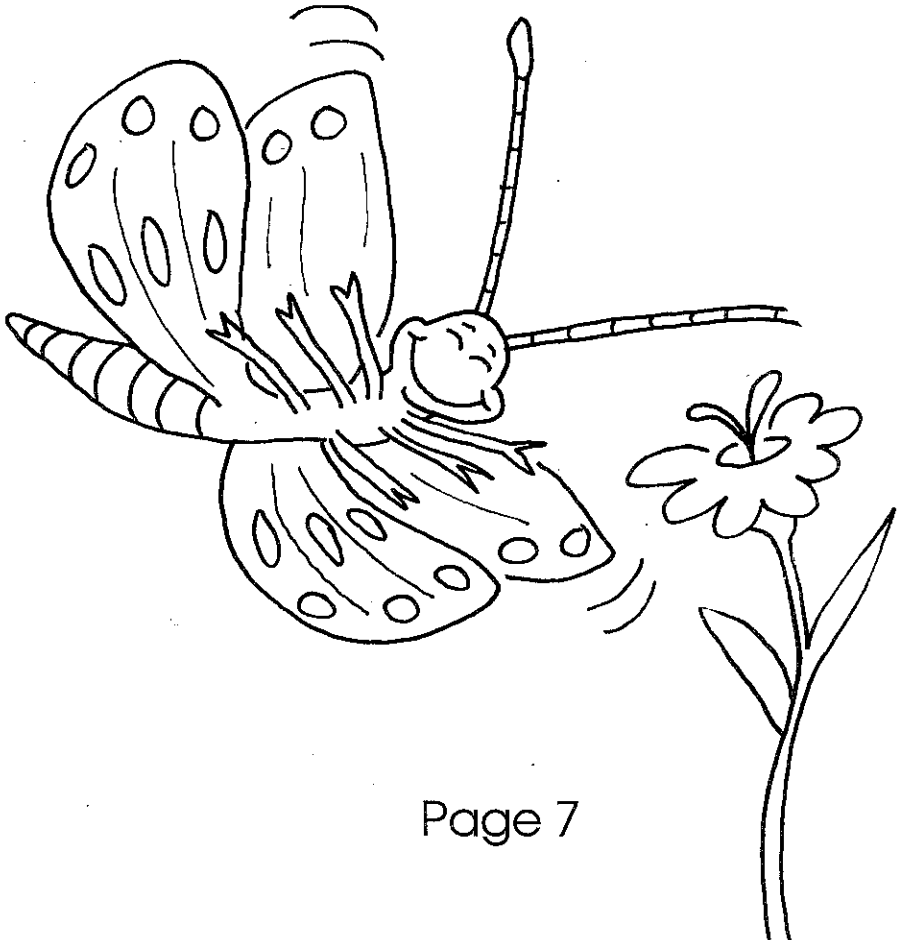


Page 1

It started out as an egg.
Its mother laid it on a leaf.

Page 2

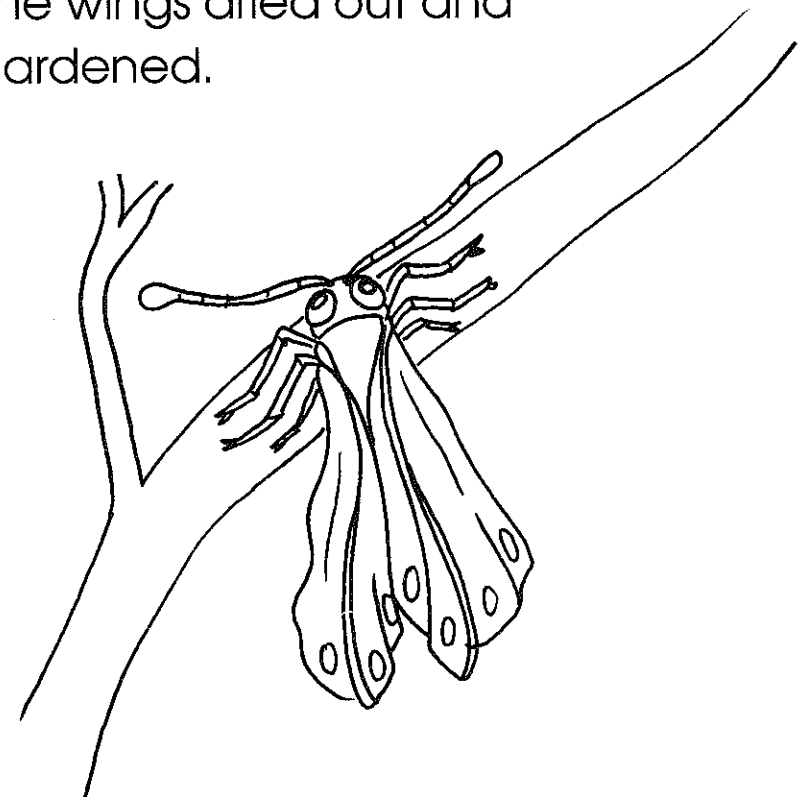
The caterpillar was gone!
It had become a BUTTERFLY.
It no longer inched along,
chomping on leaves.
Instead it flew gracefully from
flower to flower.
It sucked sweet nectar from
those flowers.



Page 7

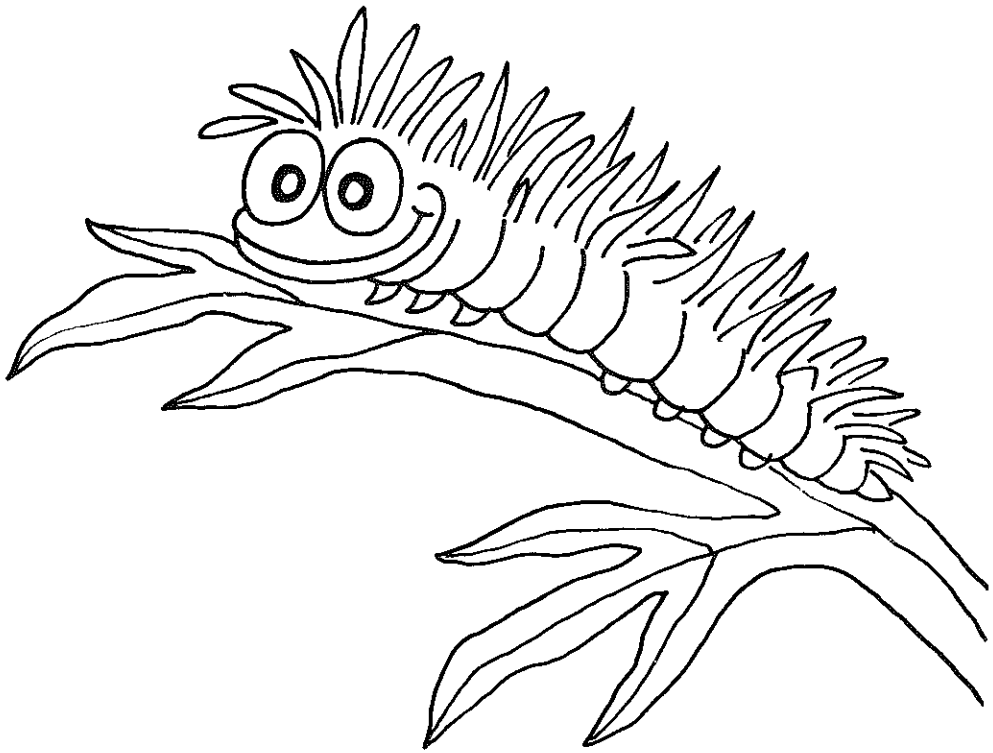
© Life Lab Science Program, Inc. 1992

Then one day a grown-up
insect pushed its way out
of the hard skin.
At first its body was soft,
wet, and wrinkled.
Slowly wings opened.
The wings dried out and
hardened.



Page 6

Then the egg hatched.
Inside was a furry caterpillar.



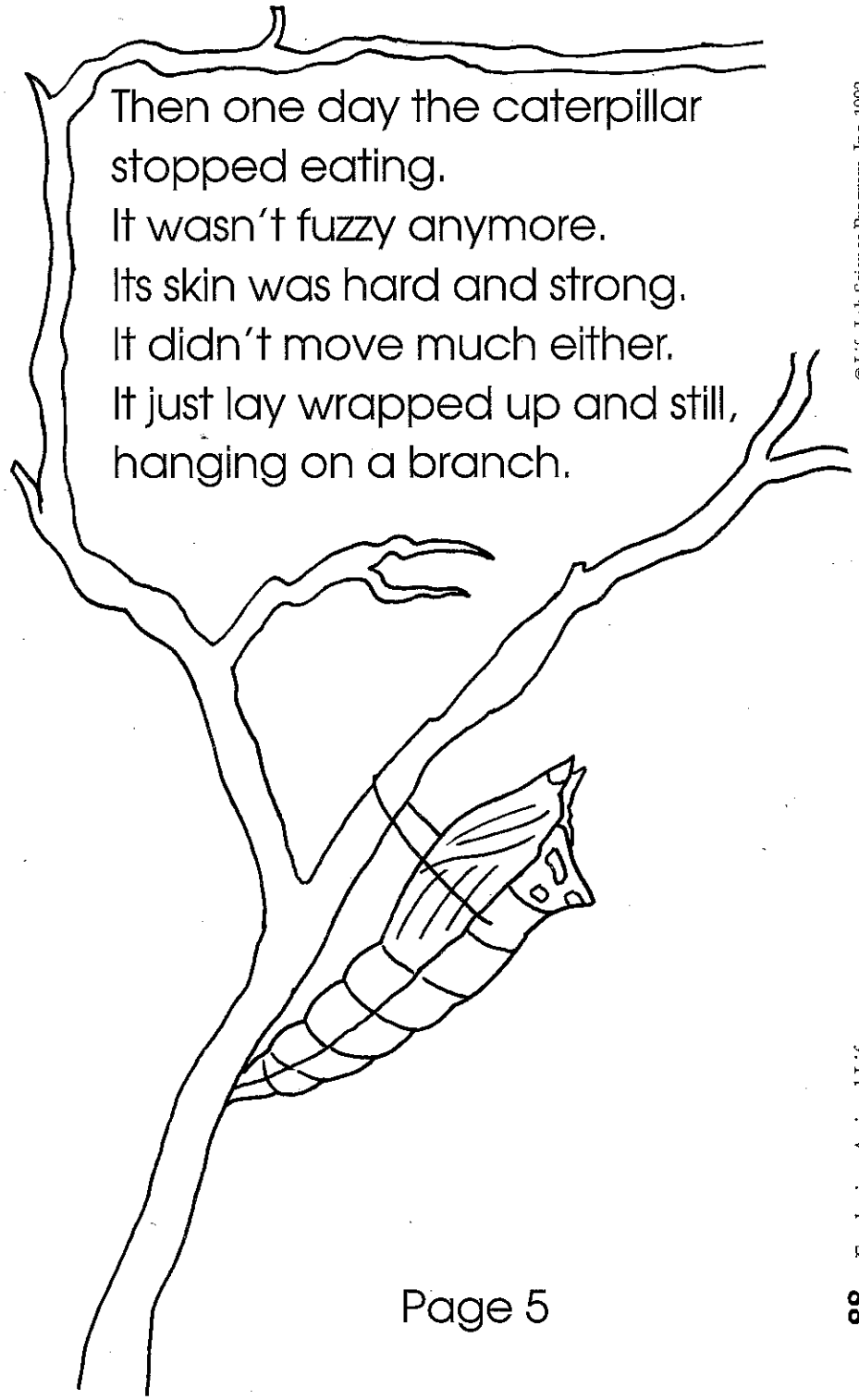
Page 3

© Life Lab Science Program, Inc. 1992

The caterpillar ate the leaf.
It ate other leaves too.
All day long it ate and ate.
It chomped on every leaf it saw.
The caterpillar got bigger
and bigger.

Page 4

Then one day the caterpillar
stopped eating.
It wasn't fuzzy anymore.
Its skin was hard and strong.
It didn't move much either.
It just lay wrapped up and still,
hanging on a branch.



Page 5

© Life Lab Science Program, Inc. 1992

Investigating Garden Homes

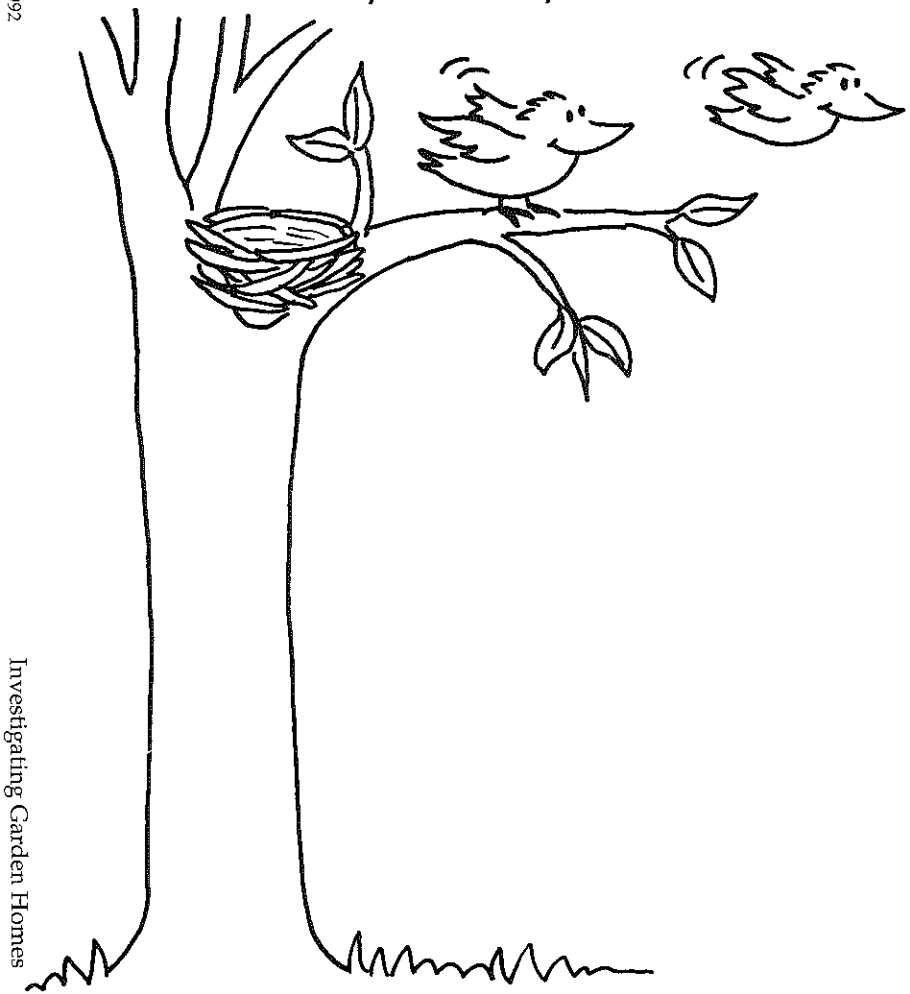
© Life Lab Science Program, Inc. 1992

Month_____ Name_____

Monday	Tuesday	Wednesday	Thursday	Friday

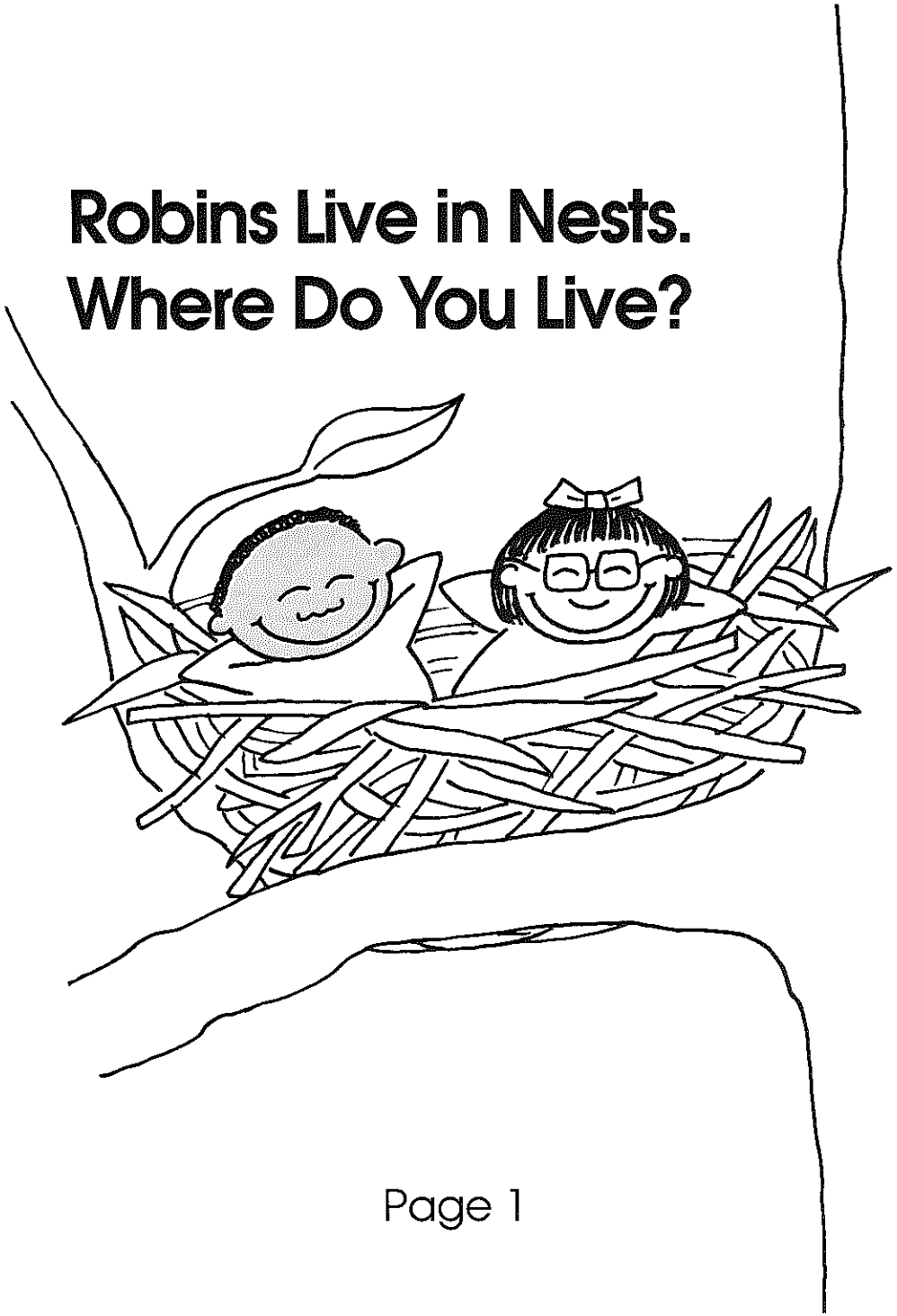
© Life Lab Science Program, Inc. 1992

Some day soon, the baby robins
will be big enough to leave
the nest.
They will fly away.
And some day so will you!



Page 8

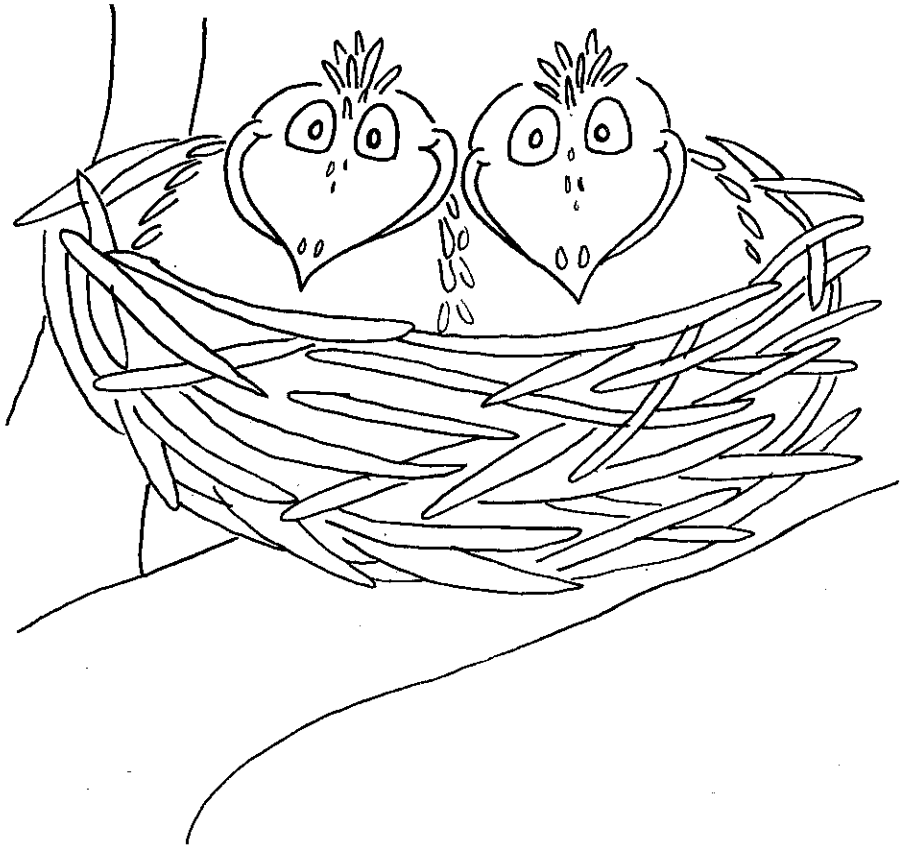
Robins Live in Nests. Where Do You Live?



Page 1

© Life Lab Science Program, Inc. 1992.

Baby robins live in a nest.



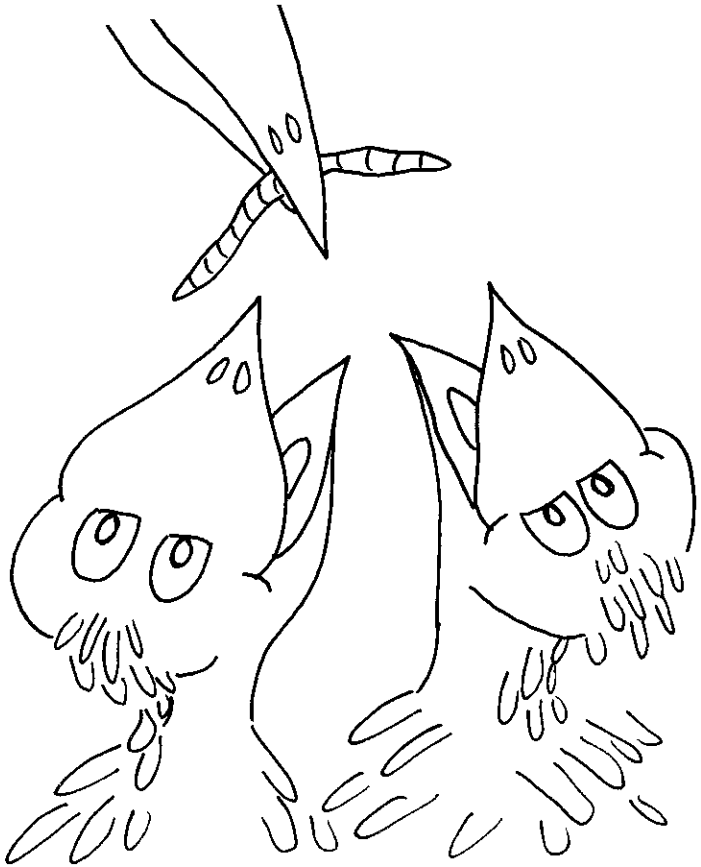
Page 2

Do you get hungry? What do you like to eat?

Page 7

© Life Lab Science Program, Inc. 1992

All day, every day, the parents take turns bringing food to the nest.
They bring their babies insects, worms, seeds, and leaves.
Baby robins get very hungry!



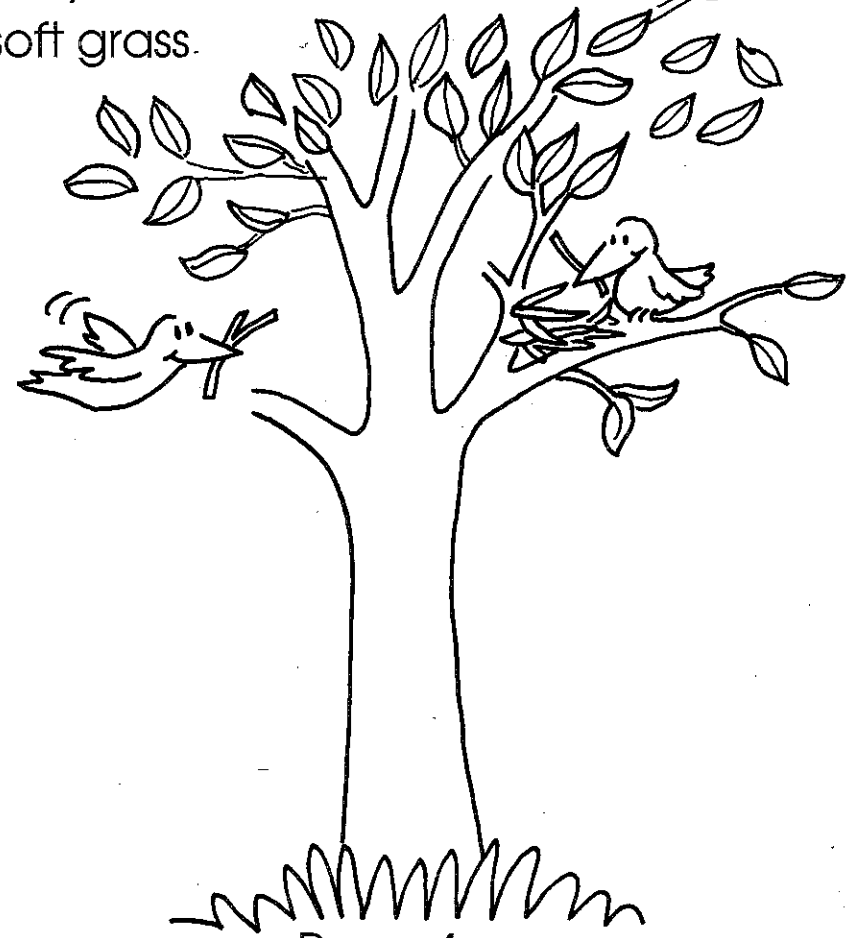
Page 6

What kind of house do you live in?

Page 3

© Life Lab Science Program, Inc. 1992

The parents of baby robins built
their nest all by themselves.
They built it somewhere safe,
warm, and dry.
They built it out of sticks and mud.
They lined the nest with nice,
soft grass.



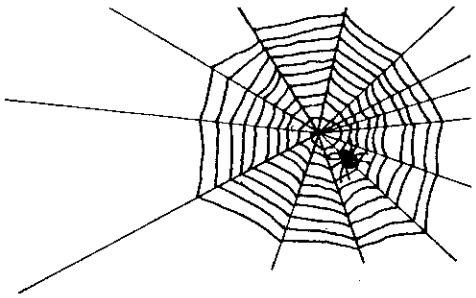
Page 4

Where do you live?
What is your house made of?

Page 5

© Life Lab Science Program, Inc. 1992

Spider Watch



Name _____ Date _____

GUESS

1. Will the spider spin a web? Yes No

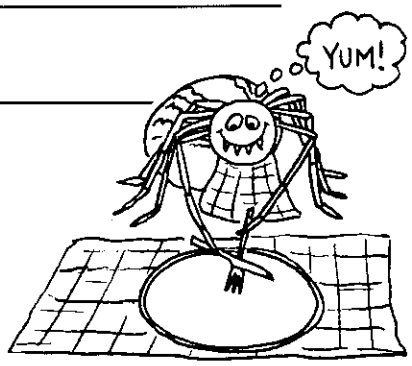
If yes, how long will it take? _____

2. What foods will the spider eat?

_____

_____

_____



TEST

Tell how you tested your ideas.

_____

_____

_____

TELL

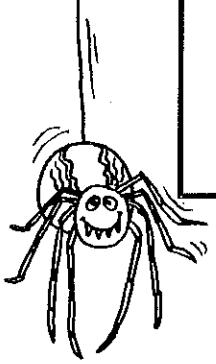
1. Did the spider spin a web? Yes No

If yes, how long did it take? _____

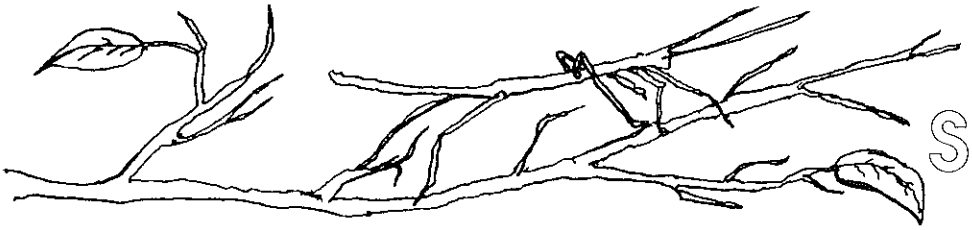
© Life Lab Science Program, Inc. 1992

2. List each food you gave to the spider and tell whether the spider ate it or not.

Food	Did the spider eat it?	
_____	yes	no
_____	yes	no
_____	yes	no
_____	yes	no
_____	yes	no
_____	yes	no



© Life Lab Science Program, Inc. 1992



Safe Colors

Name_____Date_____

GUESS

Which colors will be the easiest to find?

_____ _____ _____

Which colors will be the hardest to find?

_____ _____ _____

TEST

Number found of each:

Yellow	Green	Red	Blue
_____	_____	_____	_____

TELL

Which color was the easiest to find?_____

Why?_____

_____

Which color was the hardest to find?_____

Why?_____

_____

© Life Lab Science Program, Inc. 1992

© Life Lab Science Program, Inc. 1992

My Journal

© Life Lab Science Program, Inc. 1992