

# Earth Connections I



Florida 4-H Program





## **Special Thanks...**

**This 4-H Environmental Education Project was funded from the Save Our State Environmental Education Trust Fund Grant Program, Florida Advisory Council on Environmental Education, Tallahassee, Florida.**

**Appreciation and thanks are extended to the pilot sites in Alachua, Collier, Duval, Okeechobee, Orange, Sarasota, Suwannee, Broward, and DeSoto Counties for their contributions.**

## **Acknowledgements...**

**Earth Connections includes an adaptation of selected activities from a variety of sources listed in the Bibliography.**

**The authors wish to also acknowledge the many contributions of ideas, concepts, and activities made by the Design Team Members.**

**4-H IS A PROGRAM OF THE UNIVERSITY OF FLORIDA COOPERATIVE EXTENSION SERVICE AND IS OPEN TO ALL INDIVIDUALS REGARDLESS OF RACE, COLOR, CREED OR NATIONAL ORIGIN. CONTACT YOUR LOCAL COUNTY COOPERATIVE EXTENSION SERVICE OFFICE FOR OTHER 4-H PROGRAMS, OR CALL THE STATE 4-H OFFICE AT THE UNIVERSITY OF FLORIDA (904) 392-1744 FOR MORE INFORMATION.**

# A CHAIN OF LIFE EXPERIMENT!

## What you will need:

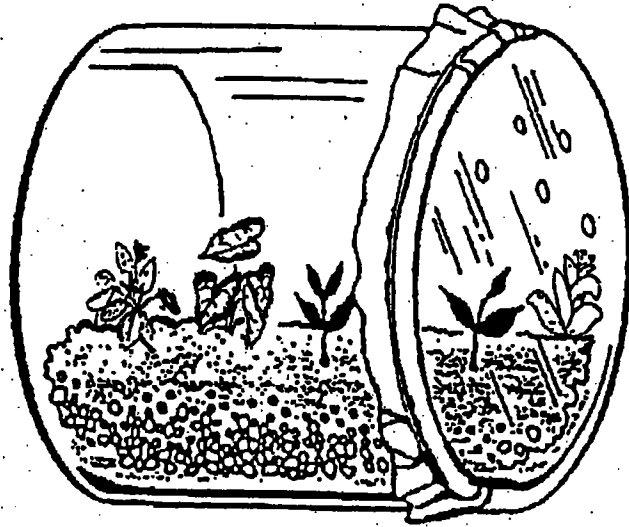
2 jars or 2-liter soda bottles,  
with tops cut off

Seeds of grass, clover,  
beans

Sand, soil, pebbles

Water

Plastic wrap, rubber band



## What you do:

- Place a layer of pebbles in bottom of jar.
- Place a layer of soil or sand next.
- Moisten the soil with water.
- Plant the seeds.
- Cover the container tightly with plastic wrap.
- After the seeds sprout, punch holes in plastic wrap.
- Prepare 1 jar and put in dark place.
- Prepare 1 jar and put in sunny place (not direct sunlight or direct heat).

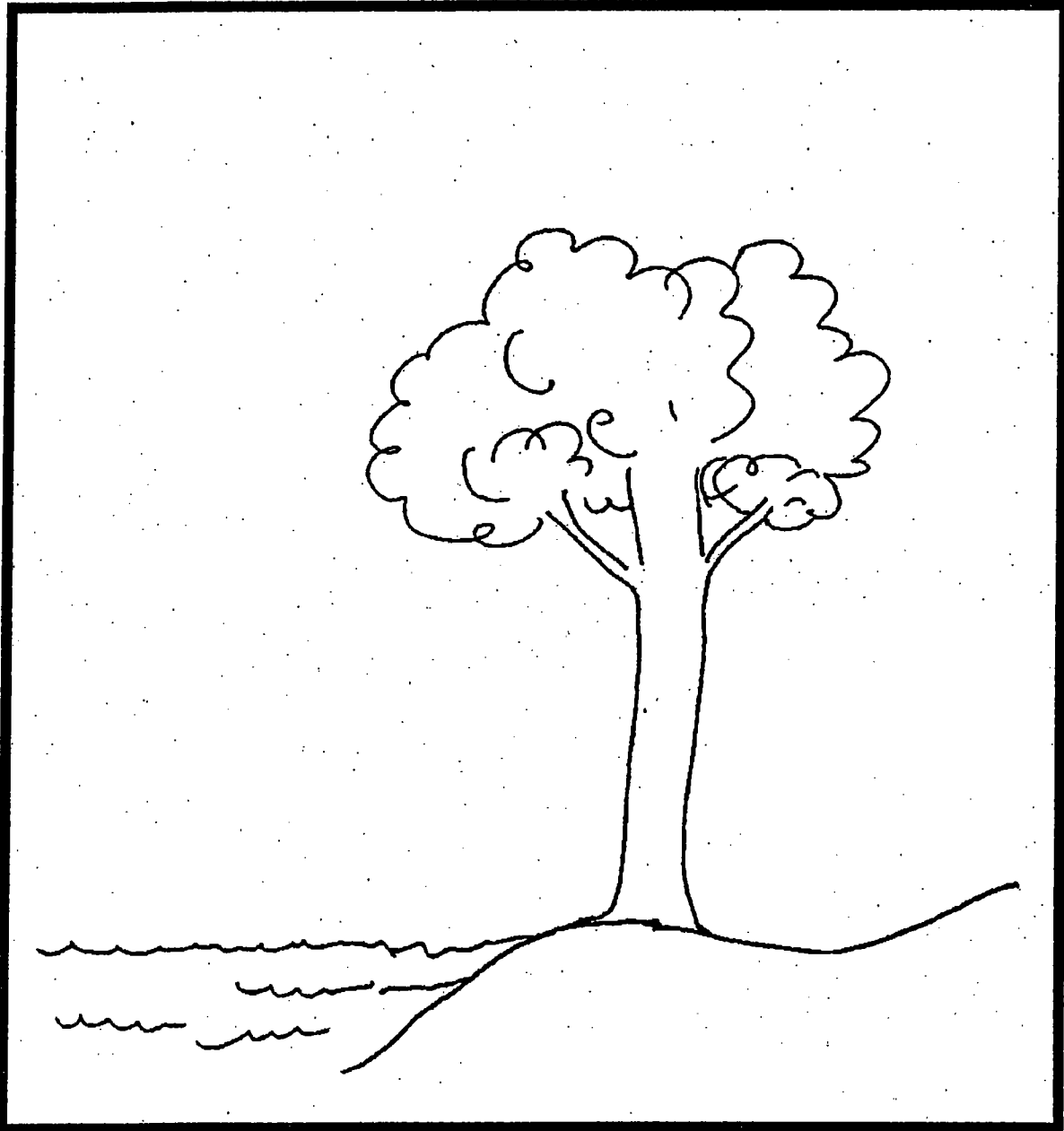
## What happens?

Day 3 \_\_\_\_\_

Day 5 \_\_\_\_\_

# COMPLETE THE PICTURE...

Draw a picture of where large animals and plants live, and what they need.



Ecosystem...is living and nonliving things within a specific area.



## FIND THE ECOSYSTEMS

**Forests**

A L O F J I B C Q D

**Prairies**

F N B O C E A N F E

**Lake**

P C W R I T L P O S

**River**

L A K E B M M A W E

D E S S T A Z E V R

**Swamp**

R P I T W I M Q P T

**Desert**

T R M S F R I V E R

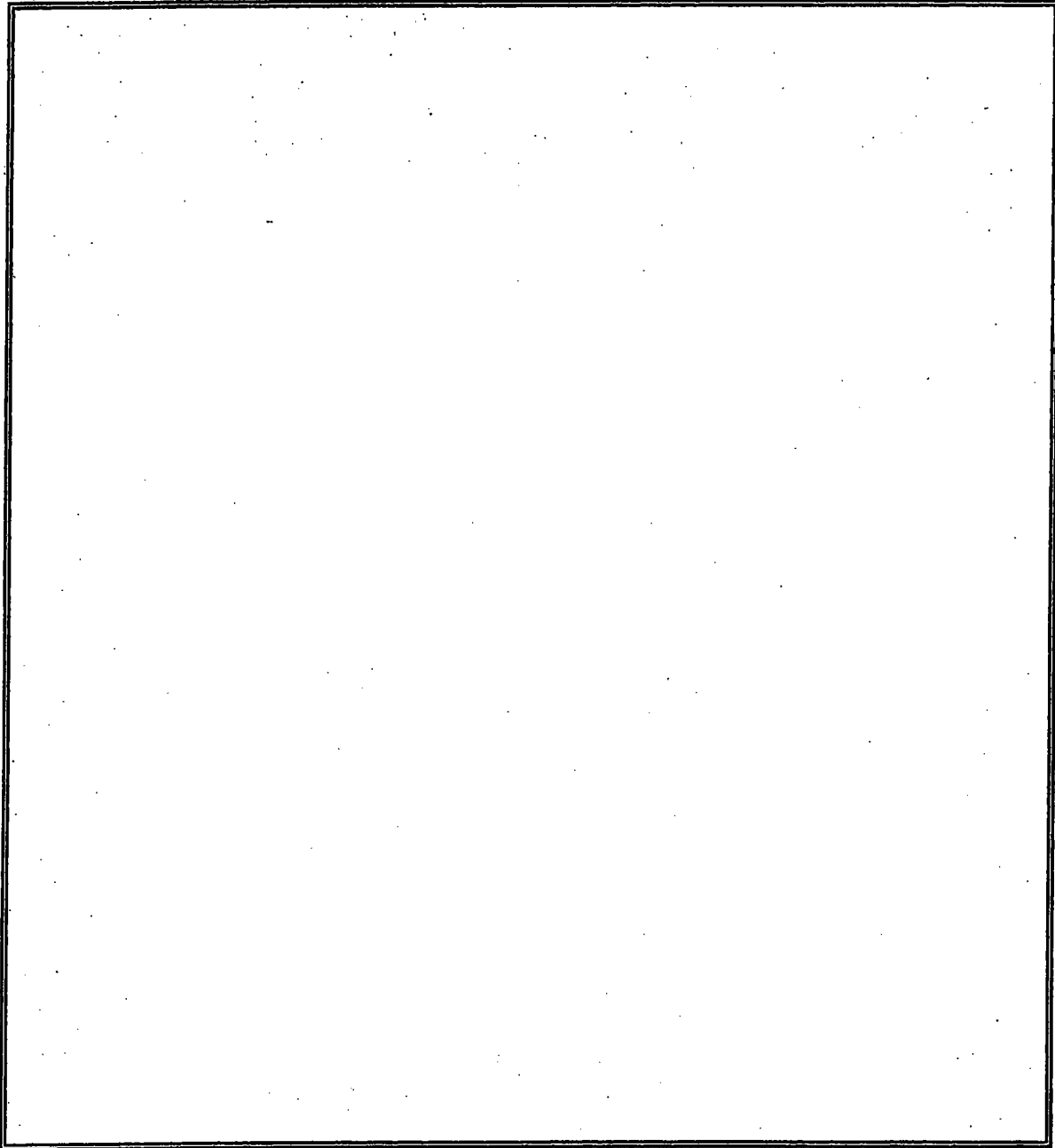
K W P R A I R I E S

**Ocean**

**Circle the different natural ecosystems you can find.**

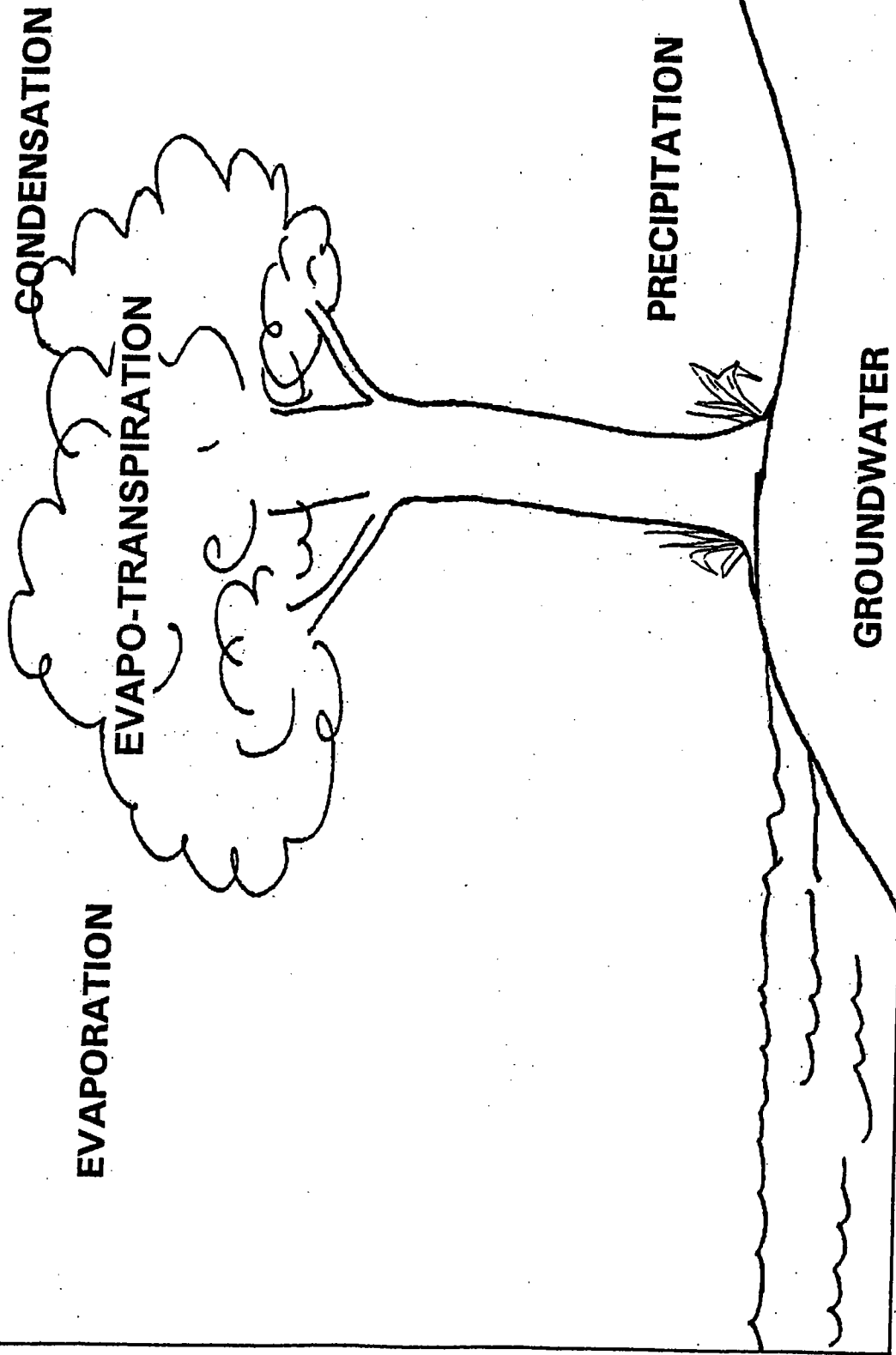


# Where is the water?

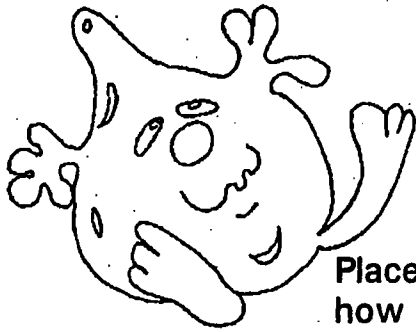


**Draw a map of your town...include lakes, rivers, streams or other places you see lots of water.**

# WATER CYCLE



Complete the picture of a water cycle to show how water moves on earth.



# ***WATER USES***

Place a picture or draw a picture of how water is used and how it can be conserved.



## ***AT HOME***



## ***FOR FUN and PLAY***



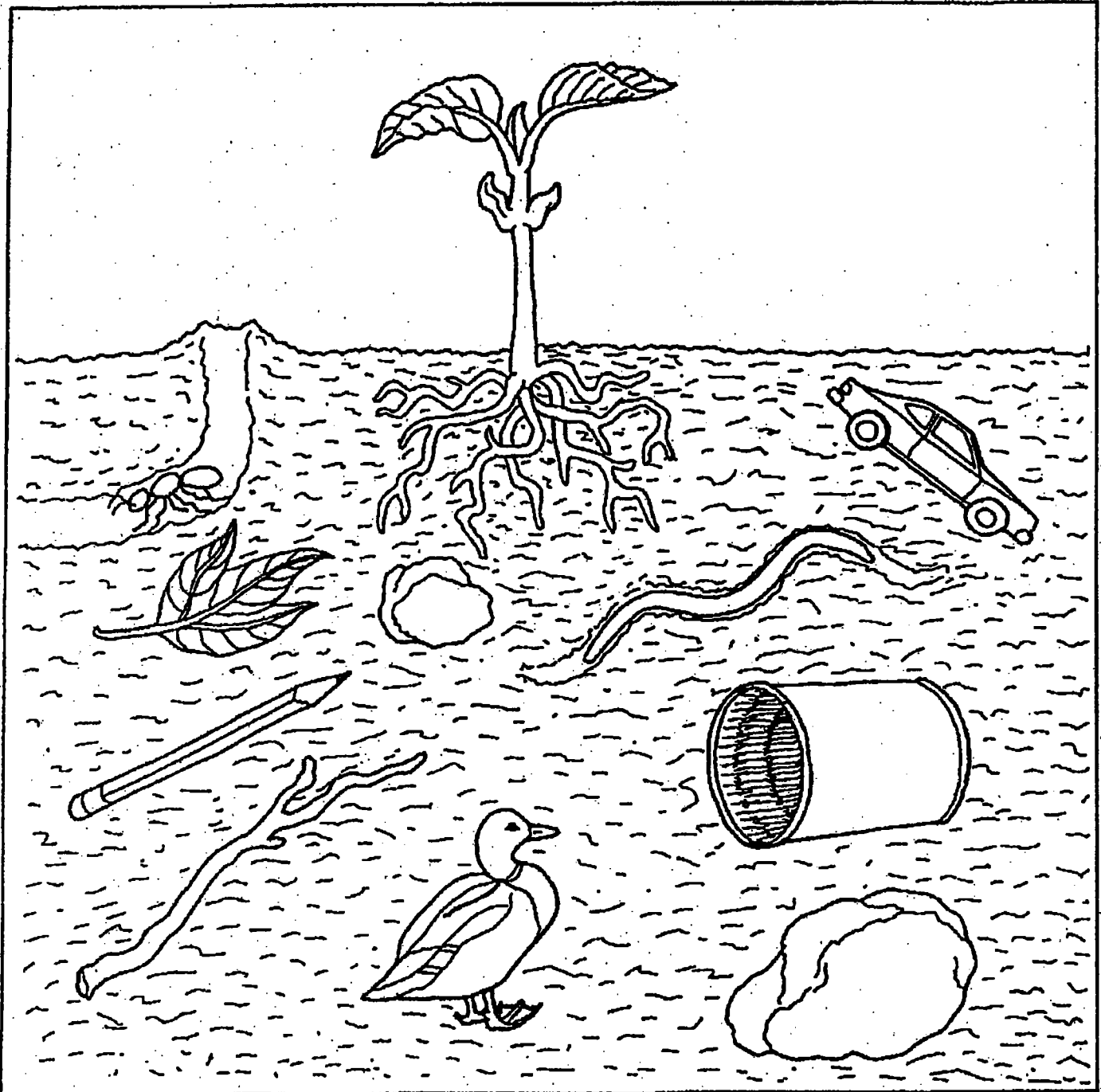


**FOR JOBS**



**FOR OTHER THINGS**

## COLOR THE PICTURES



### Sorting Through Soil

#### You Will Need:

- A small cup of soil
- Magnifying Glass
- Newspapers or large container to spread your soil sample

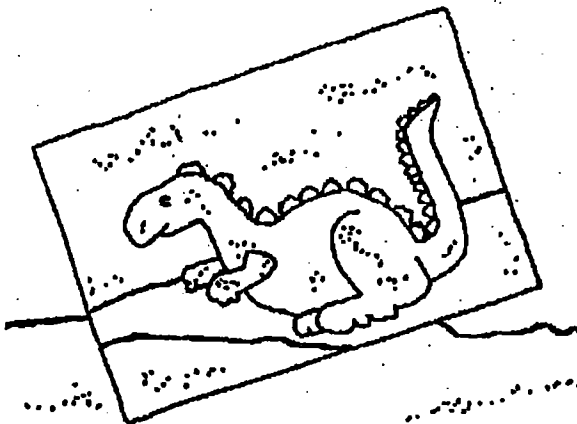
#### What To Do:

- Look at the soil.
- Circle the things in the picture you found, that belong in the soil.
- Put an X on the things in the picture that don't belong in the soil.

# Soil, Terrific Soil!

## You Will Need:

- cardboard, heavy paper
- different types of soil
- pencils
- glue
- plastic spoons



## What To Do:

- Draw a picture on your paper.
- Put glue on picture parts.
- With spoons, sprinkle soil on glue.
- Wait 5 minutes, sprinkle off excess soil.

## WHY IS SOIL IMPORTANT TO US?

How many ways is soil used around your home?

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

Let's find out how important soils are to you!  
Lead Sammy through the maze.

