

First Grade Science:

In Science, we are sending home material about Earth Day, and the needs of plants and animals.

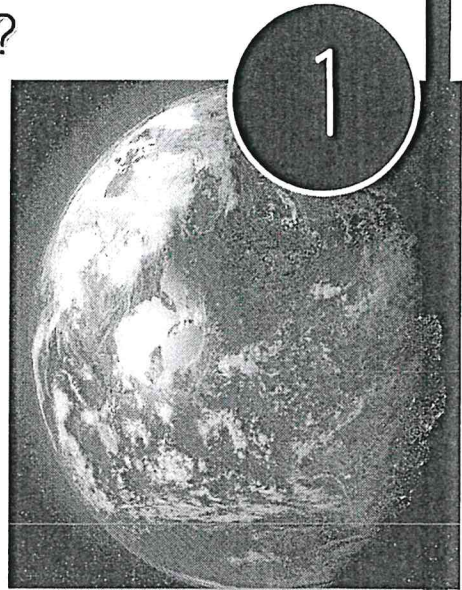
We are also sending home 5 Scholastic news that have to do with animal needs, parts of a plant, and recycling. They have extra sheets to do along with reading the Scholastic News and completing the last page.

There is enough material here for Science to take up 3 days a week. Happy Learning! Have Fun!

Level 2

## What is Earth Day?

Every year on April 22<sup>nd</sup>, we celebrate earth day. We should always protect our earth. Did you know that most of earth's surface is covered in water? We need water to survive.



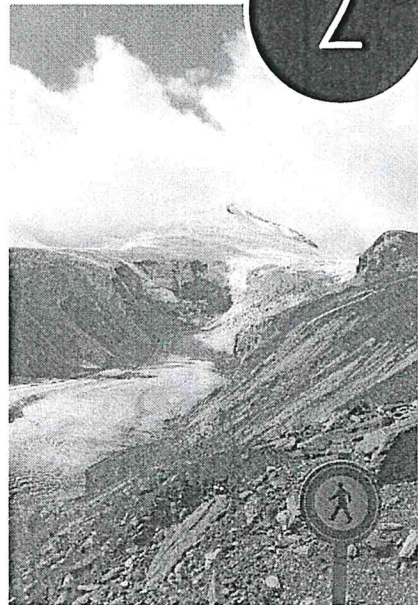
- Highlight when earth day is celebrated.
- Highlight two new words and find their meanings.
- Write & Respond: In your book describe earth day. Draw a picture.

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Level 2

## Global Warming

Global warming is a problem for planet earth. Global warming means that earth's temperature is getting higher and higher each year. This is because of all the pollution in the air.



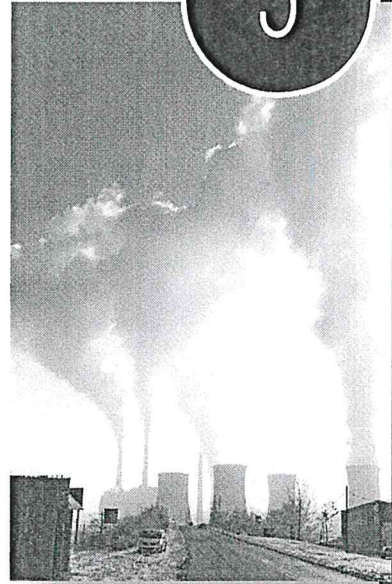
- Highlight what global warming is.
- Highlight two new words in the text and find the meanings to them.
- Write & Respond: In your book write about global warming. Draw a picture.

Level 2

## Earth Day Every Day

3

Did you know that there are many ways in which you could help protect earth? You could save water, don't let the tap run and take short showers. You can also recycle papers and water bottles. Plants and trees are so important for our environment.



- Highlight one way you can help planet earth.
- Highlight two new words in the text and find the meanings.
- Write & Respond: In your book write about protecting planet earth. Draw a picture.

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Level 2

## Day and Night

4

The sun is important for earth. Without the sun, we won't have any light and no days. So it will be dark for good! The earth spins and parts of the planet would be in the sun while the other parts will be in the shade.

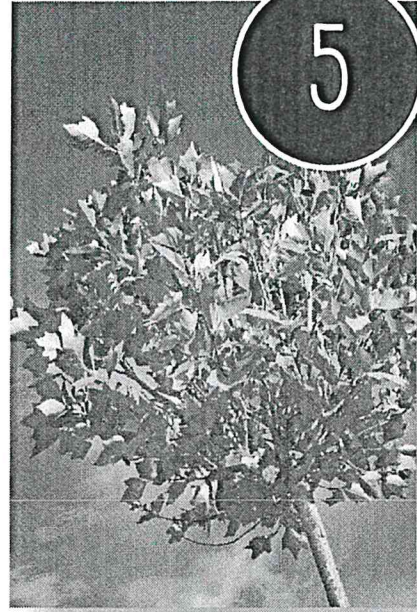


- Highlight why the sun is so important.
- Highlight two new words in the text and find the meaning.
- Write & Respond: In your book write about sunlight. Draw a picture.

Level 2

## Plant a Tree

Trees give us oxygen to breathe. They help keep our homes in the shade and protect us from the rain and the wind. They also make our homes, schools and neighbourhoods more beautiful. So, are you going to plant a tree today?



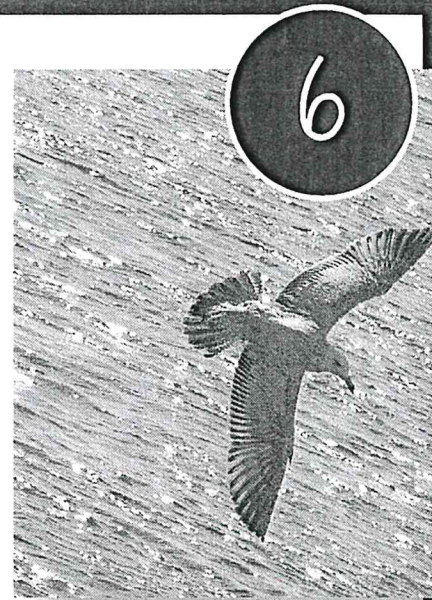
- Highlight what trees give us.
- Highlight two new words in the text and find the meaning.
- Write & Respond: In your book write about trees. Draw a picture.

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Level 2

## Save our Oceans!

Did you know that oceans are the biggest force on this earth? They cover 70% of earth's surface and they have a lot of living things! The ocean also provides lots of fish and food for people and animals.

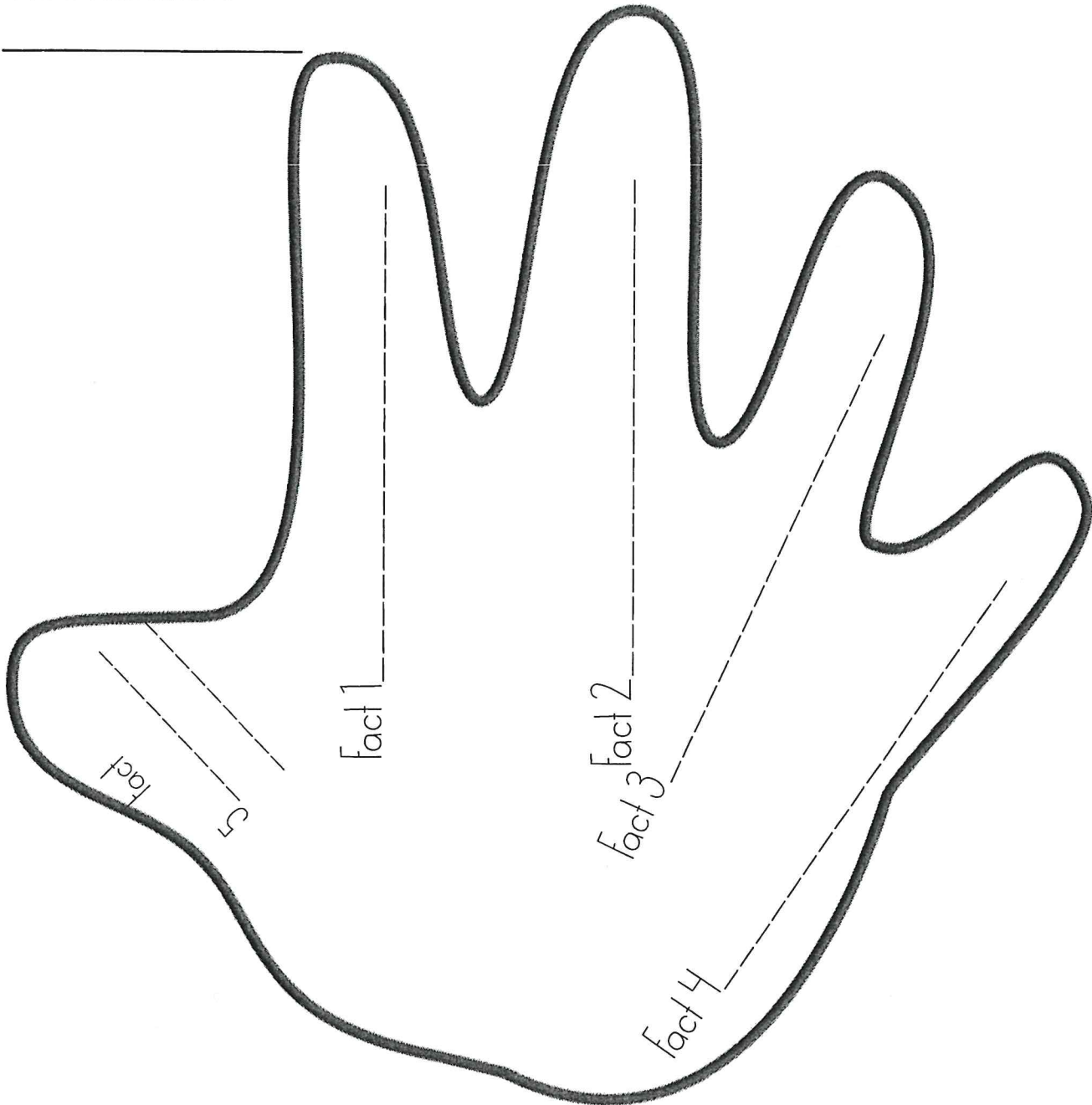


- Highlight how much planet earth is covered by water.
- Highlight two new words in the text and find the meaning.
- Write & Respond: In your book write about the ocean. Draw a picture.

# Five Finger Facts

Directions: after reading your card, write down some facts you learned from the text.

Card Number: \_\_\_\_\_



Name: \_\_\_\_\_

# EARTH DAY!

Draw one way you can help the Earth!

Write 3 things you can recycle.



I'm thankful for the Earth because...

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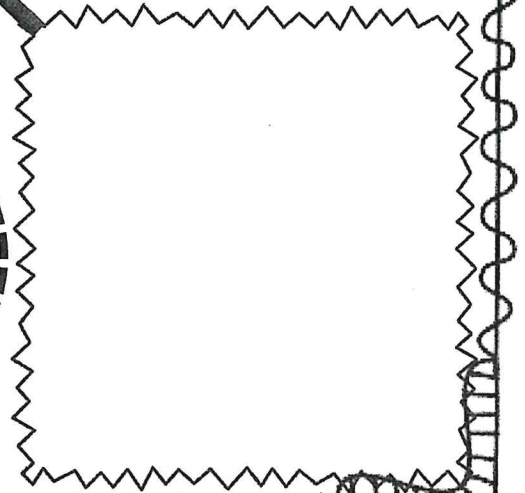
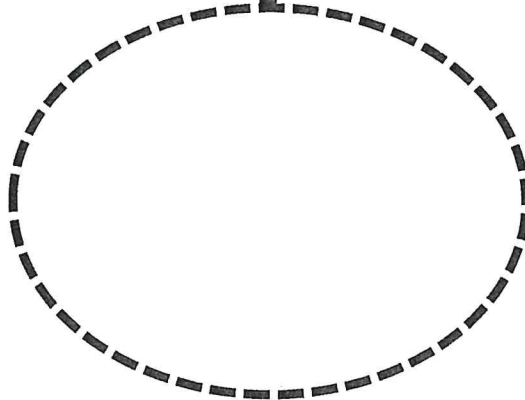
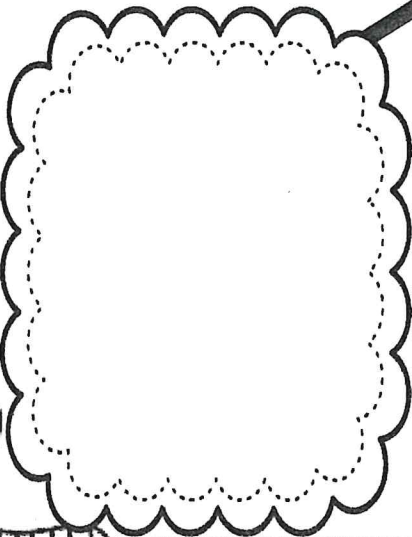
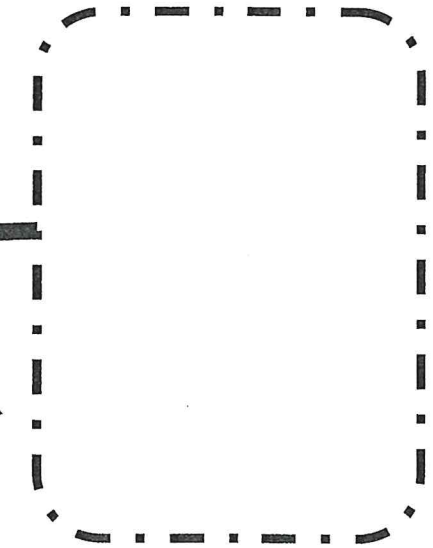
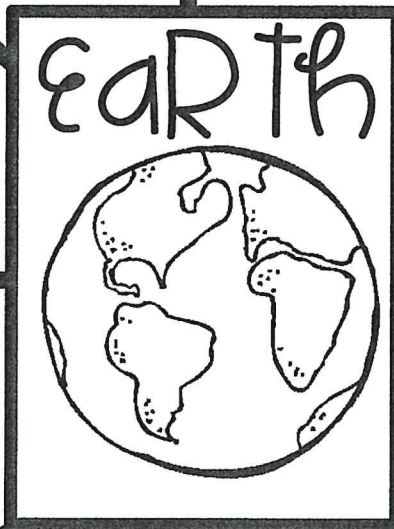
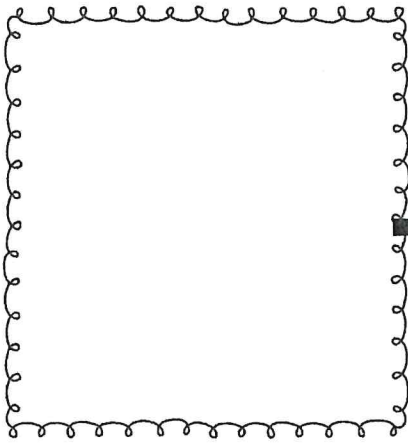
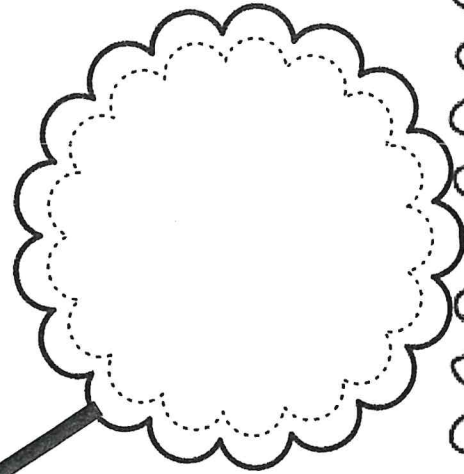
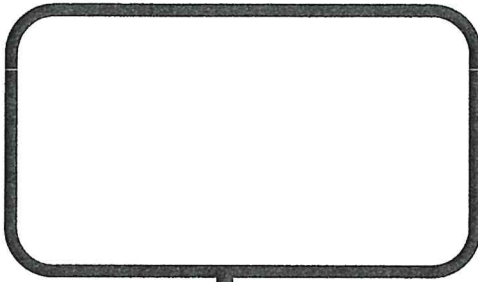
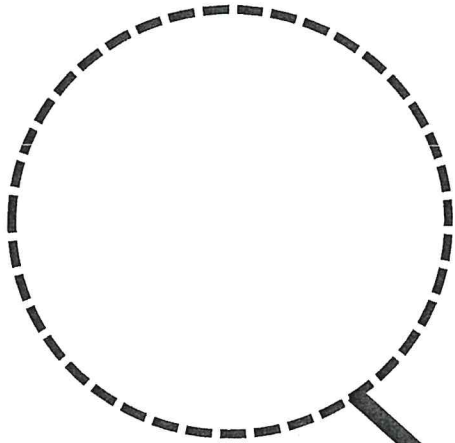
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How can you keep the Earth clean?

Name: \_\_\_\_\_

# OUR Earth!

Directions: Write words that describe what the Earth means to you.





# HOORAY FOR EARTH DAY!

Earth      recycle      plastic  
reuse      litter      paper  
reduce      green      glass

r	e	u	s	e	g	p	l	l	l
e	s	u	n	f	r	h	r	m	i
d	g	p	a	p	e	r	a	u	t
u	l	i	n	o	e	a	i	m	t
c	a	r	c	s	n	r	n	z	e
e	s	i	l	e	a	r	t	h	r
c	s	s	p	l	a	s	t	i	c
k	r	e	c	y	c	l	e	k	h



Name: \_\_\_\_\_

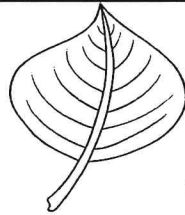


# Nature **WALK**

**Directions:** Check off the items you find on your walk.



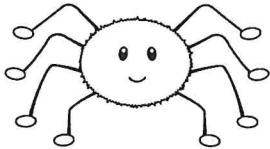
dirt



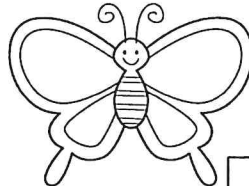
leaf



flower



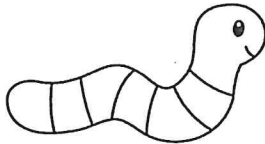
spider



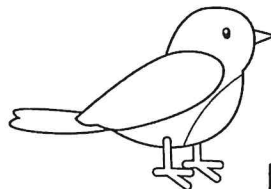
butterfly



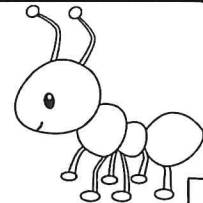
mushroom



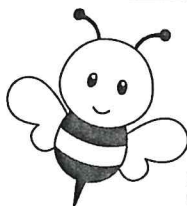
worm



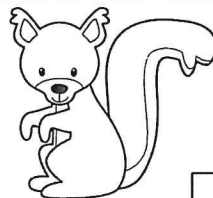
bird



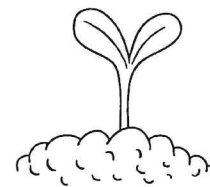
ant



bee



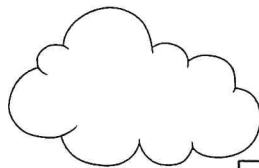
squirrel



sprout



tree



cloud



grass

Name: \_\_\_\_\_

# I Can Help the **EARTH!**

**Directions:** Fill out the chart. If you have more ideas, write them on the back of this page.



**3** items I can recycle

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\_\_\_\_\_

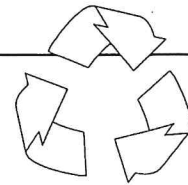
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\_\_\_\_\_

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\_\_\_\_\_

**2** items I can reuse



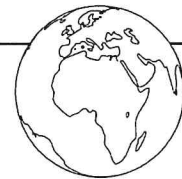
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\_\_\_\_\_

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\_\_\_\_\_

**1** way I can reduce



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\_\_\_\_\_



Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Plant Needs

Plants are living things. All living things have basic needs that must be met. Basic needs are needs that a plant must meet in order to live and grow. If plants do not meet these needs, then they will not be able to grow.

Plants need **water** to grow. Water enters the plant through the roots and travels up the stem and then to the leaves. Water helps the plant stay moist and helps it grow.

In addition, plants need **sunlight** to grow. Sunlight is important because it creates energy for a plant to use to make food (sugar). This is called photosynthesis.

Plants also need **air** to grow. Plants breath in  $CO_2$  and breath out oxygen. Air also helps carry seeds to other places.

Plants need **soil** to grow. Soil is important because it provides plants with nutrients to grow strong. Soil can also help hold the plant in its place and gives it the space to grow.

1. Why do plants have to meet their needs?

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2. What does a plant need to survive?

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3. What is photosynthesis?

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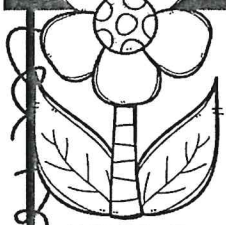
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4. Explain how soil, water, sunlight, and air help a plant grow.

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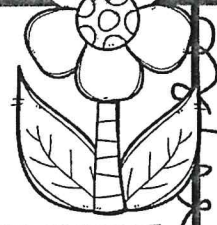


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Plant Needs

Draw 4 things a plant needs to survive.








Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Animal Needs

Animals are living things. All living things have basic needs that need to be met. Basic needs are needs that need to be met in order to survive. If animals do not meet their needs, then they will not be able to live and grow.

Animals need water. Some animals drink water regularly to keep hydrated, digest food, and build body fluids. Water is extremely important to all animals. Without water, animals would not survive.

Animals, also need oxygen. Fish use their gills to take in oxygen from the water. Other animals and humans use their lungs to breathe in oxygen or air. Oxygen is needed by most life forms on Earth to survive.

In addition, animals also need food. Food is important to all animals. It helps animals grow and change. Some animals eat plants others eat other animals. When an animal eats another it is a predator because it hunts other animals. The prey is the animal that is being hunted by another.

Last of all, animals need shelter. A shelter is where an animal lives. For example, foxes and rabbits live in holes. Fish live in the ocean. Bears live in dens. Chameleons live somewhere where they can camouflage with leaves. A shelter is important to an animals survival. A shelter keeps an animal safe.

1. Write the things an animal needs to survive?

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2. How do fish breath underwater? What need is being met?

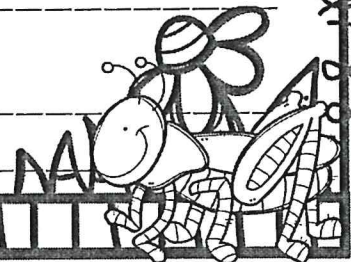
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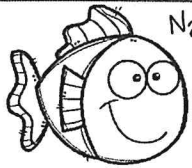
3. What is a predator? What is a prey?

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4. Why is shelter an important need?

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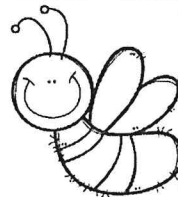




Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Animal Needs



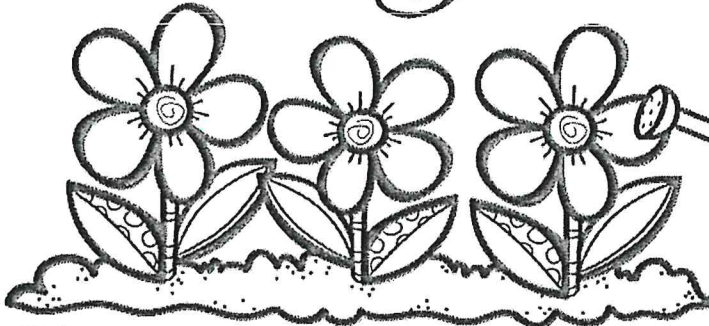
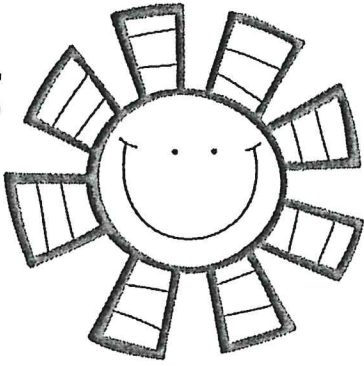
Draw 4 things an animal needs to live.

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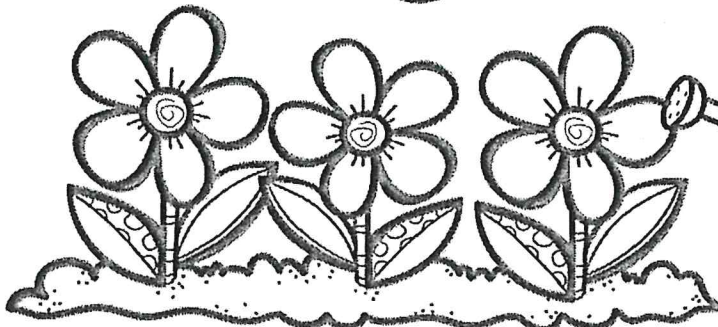
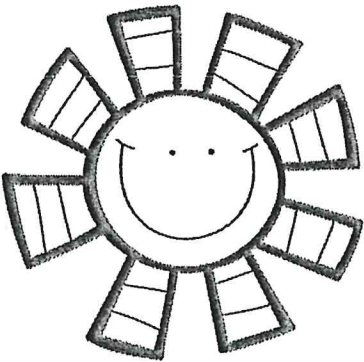
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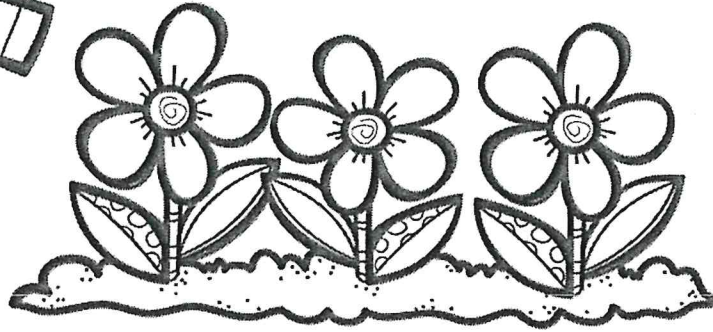
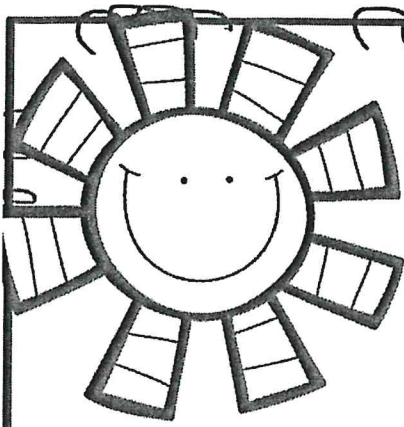
# Plant Needs



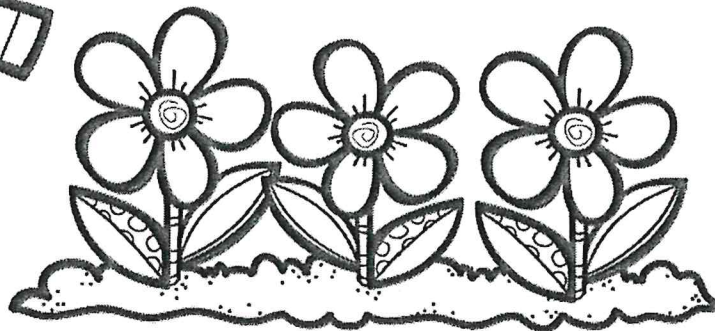
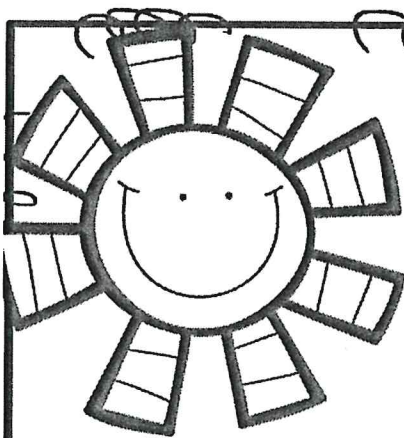
Name: \_\_\_\_\_

# Plant Needs



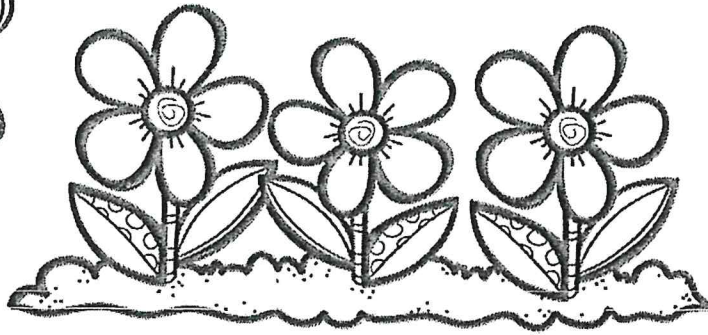


Plants need \_\_\_\_\_ to help them grow. The sunlight gives the plant energy to make food (sugar). This is called photosynthesis. Without sunlight, a plant would not survive.

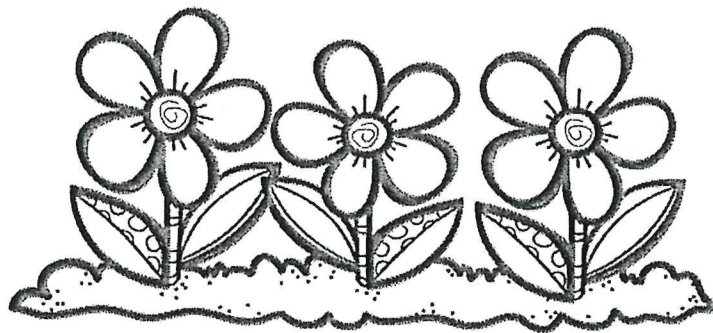


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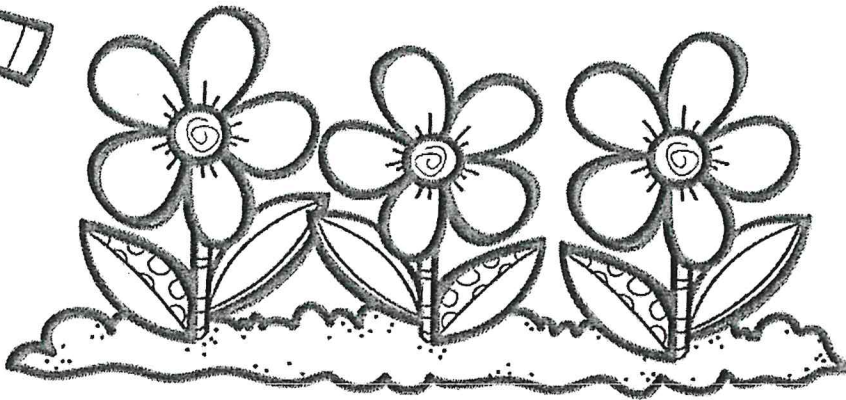
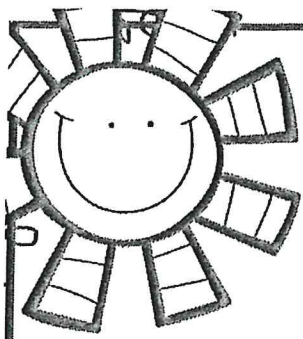




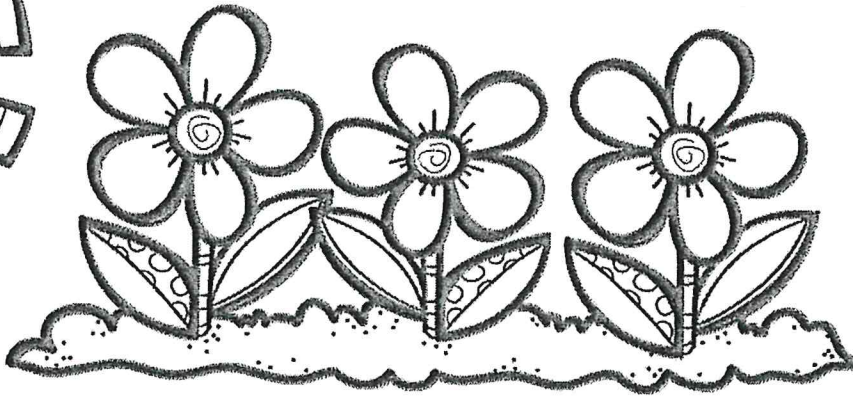
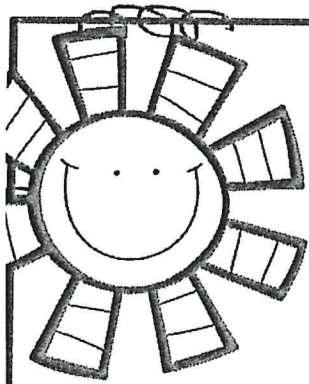
Plants need \_\_\_\_\_ in order to grow. Water enters the plant through the roots and travels to the stem and then to the leaves. Water helps the plant grow and stay moist.



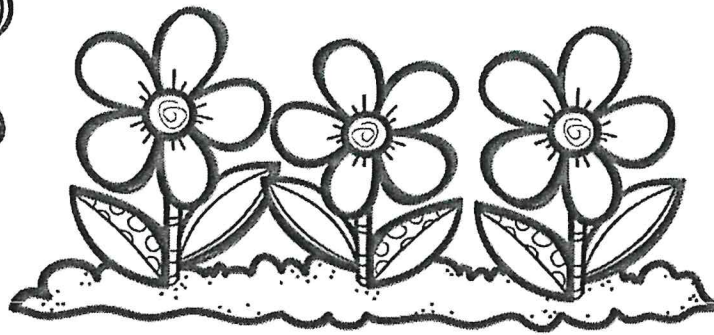
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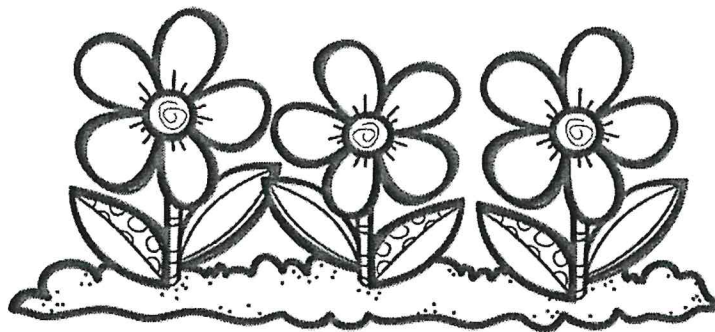
Plants also need \_\_\_\_\_ to grow. Soil is important because it provides plants with the nutrients it needs to grow strong. Plants also need \_\_\_\_\_ in the soil so their roots can spread open in the ground.



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What does a plant need?

Why does a plant need water?

Why does a plant need soil?

Why does a plant need sunlight?

What does a plant need?

Why does a plant need water?

Why does a plant need soil?

Why does a plant need sunlight?

Name: \_\_\_\_\_

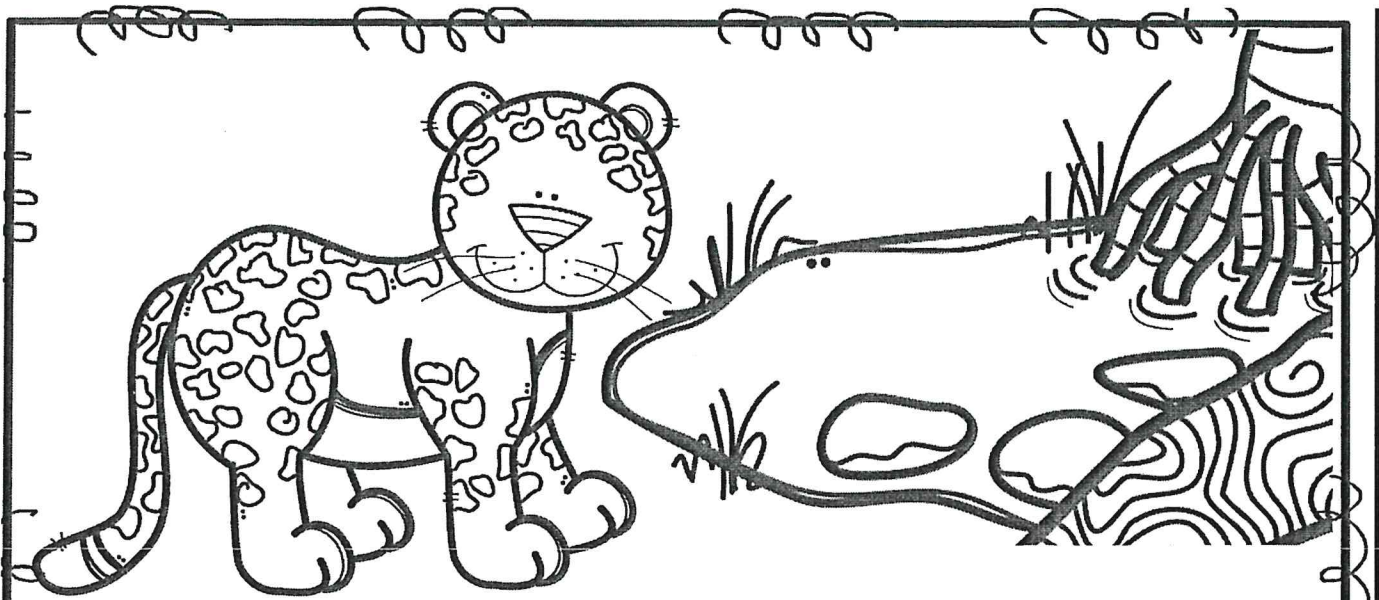
# Animal Needs



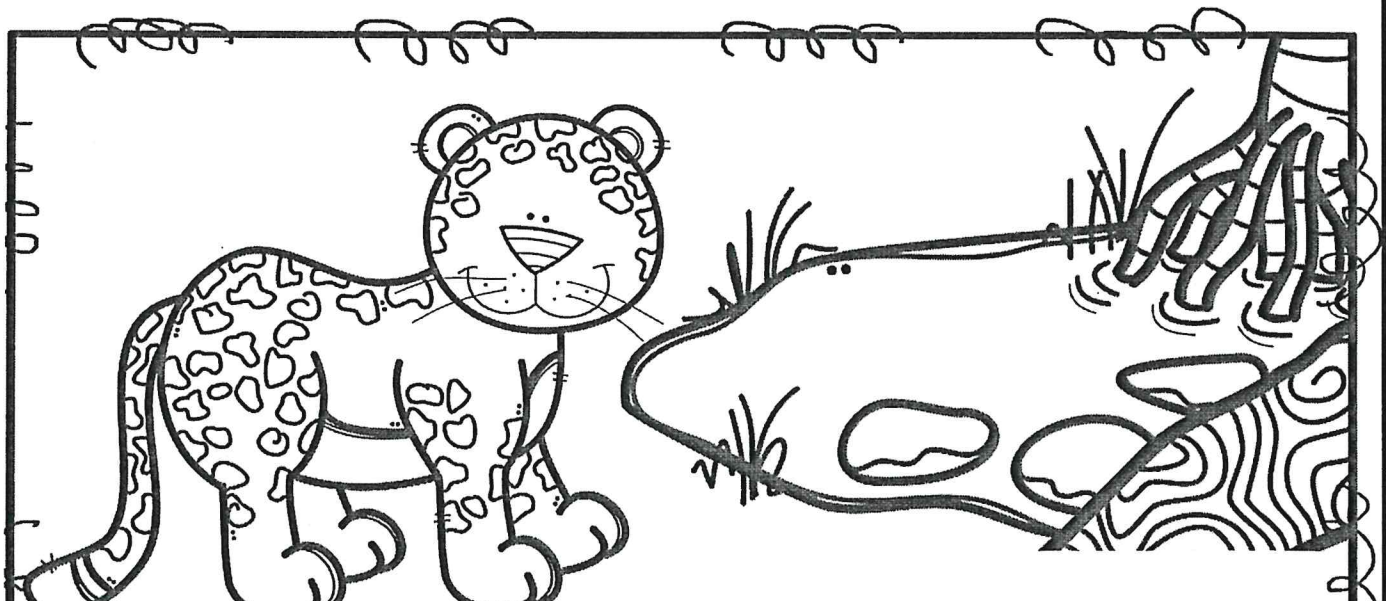
Name: \_\_\_\_\_

# Animal Needs

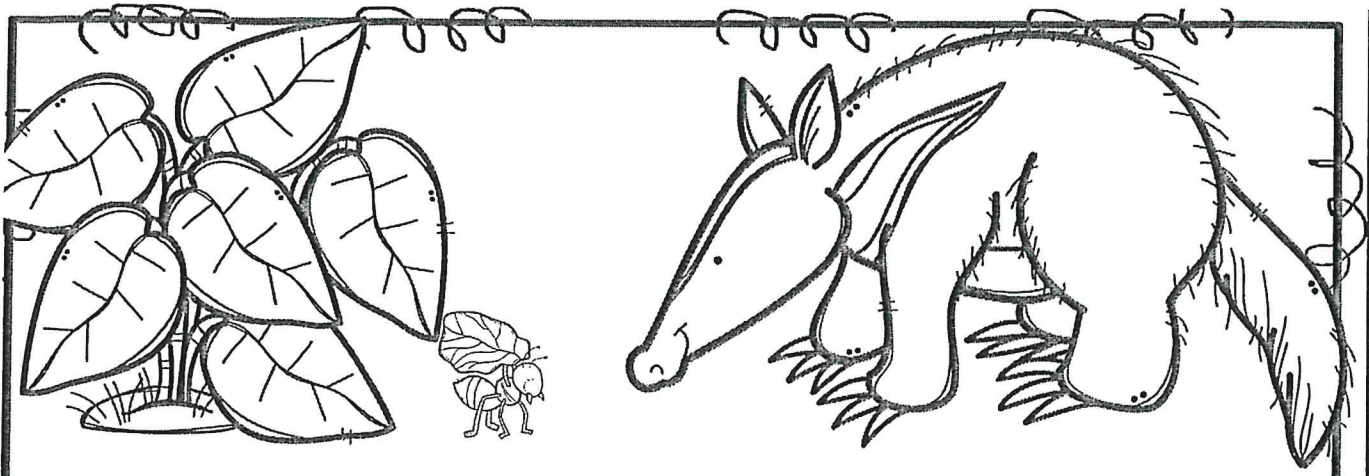




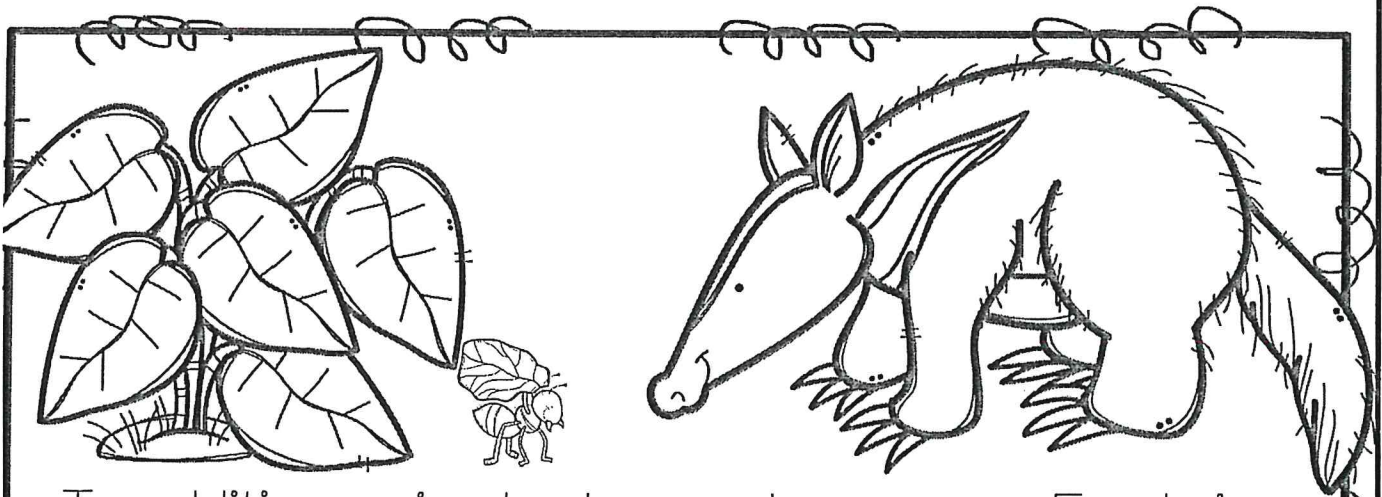
Animals need \_\_\_\_\_. Animals need water regularly to keep hydrated, digest food, and build body fluids. Water is extremely important to all animals. Without water, animals would not live nor grow.



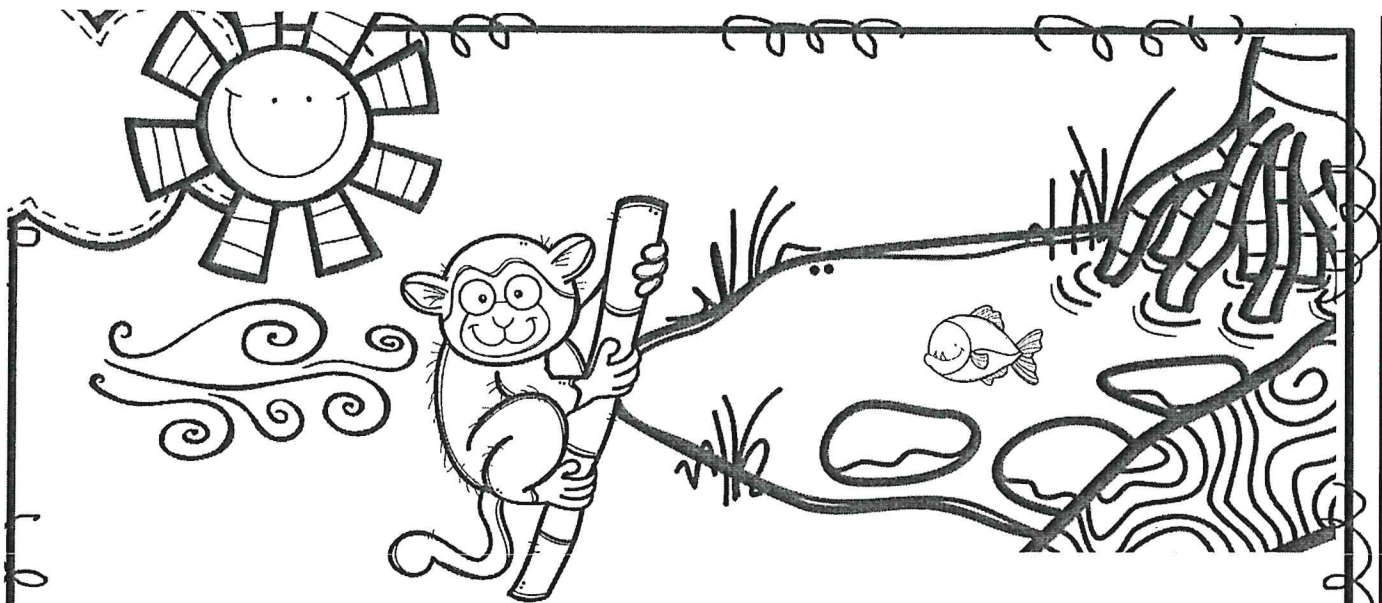
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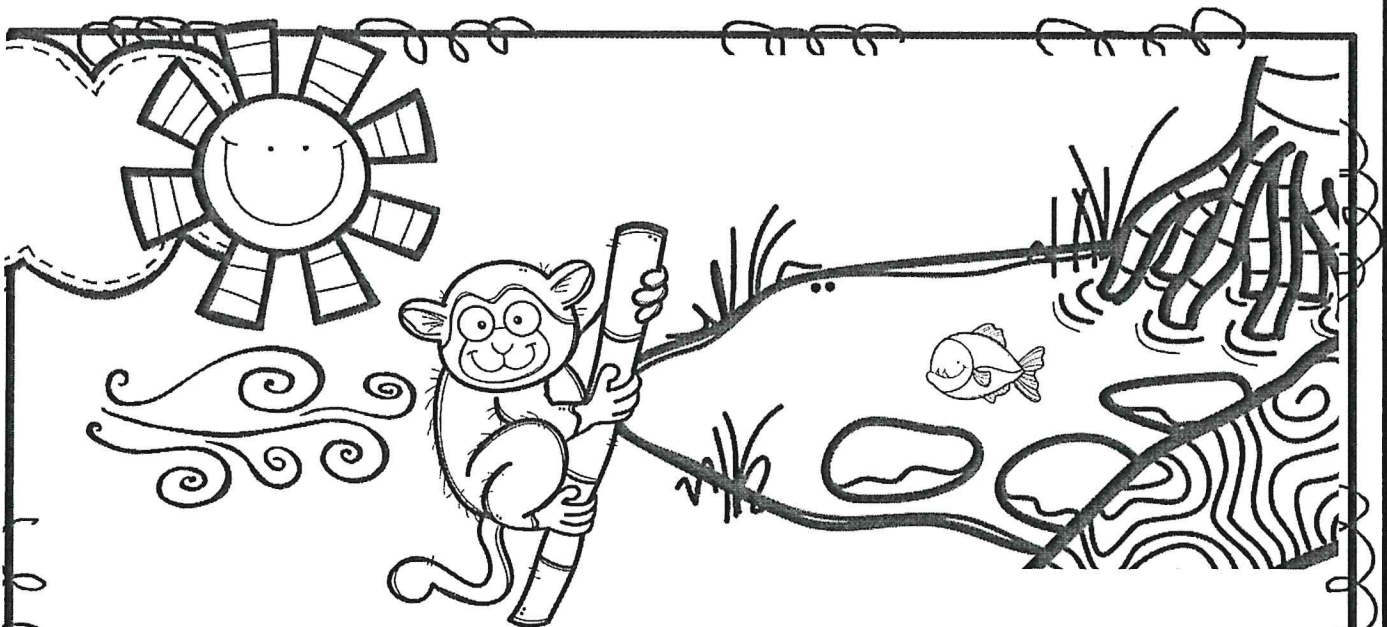
In addition, animals also need \_\_\_\_\_. Food gives energy to all animals. It helps animals grow and change. Some animals eat plants others eat other animals. When an animal eats another it is a predator because it hunts other animals. The prey is the animal that is being hunted by another.



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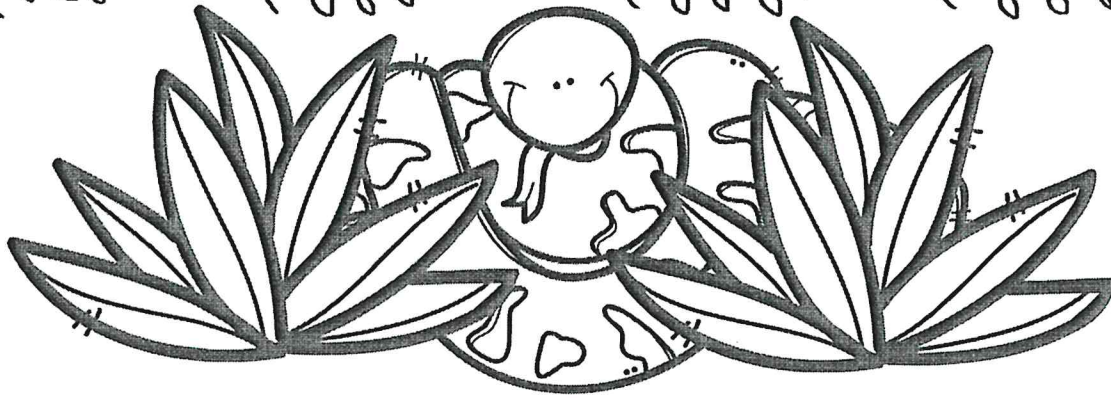


Animals, also need \_\_\_\_\_. Fish use their gills to take in oxygen from the water. Other animals and humans use their lungs to breathe in oxygen or air. Oxygen is needed by most life forms on Earth to live and grow.



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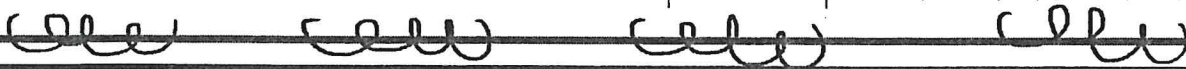




Last of all, animals need \_\_\_\_\_. A shelter is where an animal lives. For example, foxes and rabbits live in holes. Fish live in the ocean. Bears live in dens. Some animals live where they can camouflage with leaves. A shelter is important to an animals survival. A shelter helps keep an animal safe.



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What does a animal need?

Why does a animal need food and water?

Why does a animal need oxygen?

Why does a animal need shelter?

What does a animal need?

Why does a animal need food and water?

Why does a animal need oxygen?

Why does a animal need shelter?