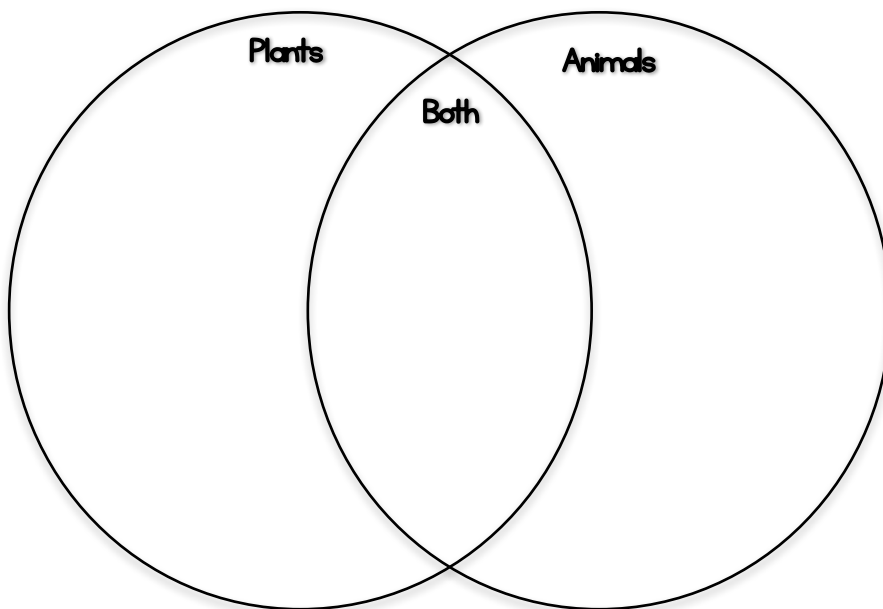


Name: _____

Think about it.

What kinds of **organisms** do you see every day where you live? What does each one need in order to survive?

List features and needs that go only with plants or animals. Finally, list features and needs that both kinds of **organisms** have in common.



1

141A

organisms

Biologists study the **organisms**, or living things, on Earth.



2

142A

directly

You can **directly** help the environment by planting trees. You can see results quickly.



Think about it.

If a problem is very important, why is it best for action to be taken **directly** to fix it?

Decide whether each action happens **directly** or indirectly (not directly).

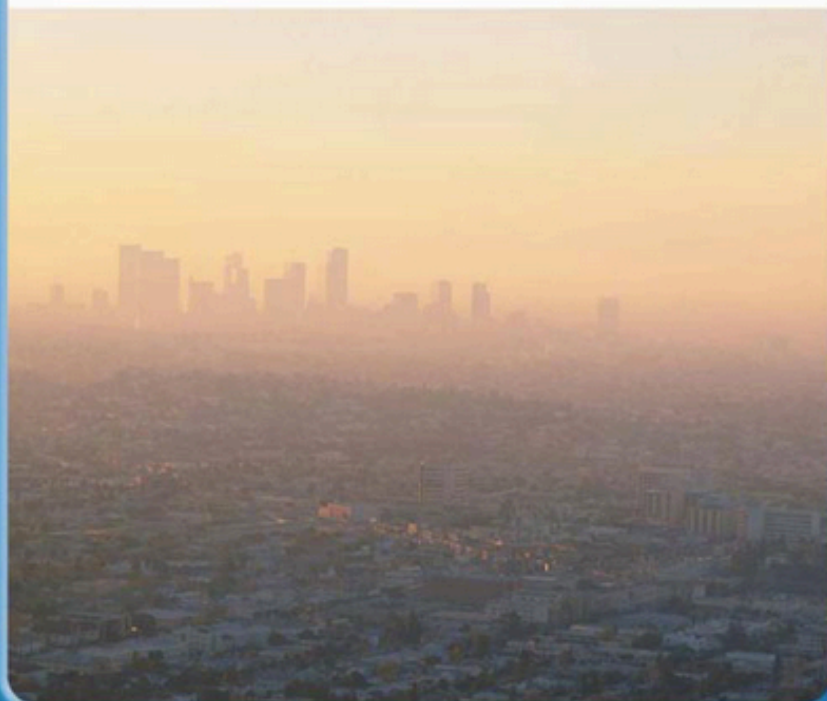
Action	Directly?	Indirectly?
Flight from Boston to Atlanta to Orlando		
Flight from Boston to Orlando		
Lisa gives Carl fifty dollars		
Lisa gives Ed fifty dollars. Ed gives it to Carl later.		

3

143A

affect

Smog and smoke negatively **affect** the air by making it unhealthy to breathe.



Think about it.

What are some ways that your actions can **affect** other people?

Think of an example of something that can **affect** things in three *good* ways and an example of something that can **affect** things in three *bad* ways. Complete the chart below.

	Good Way	Bad Way
Cause		
Effect 1		
Effect 2		
Effect 3		

4

144A

traces

Wash your hands thoroughly, or else **traces** of dirt and germs may remain.



Think about it.

When you walk through dirt, what **traces** of your path do you leave behind?

Think of different ways the following things could leave **traces** that a detective could use to solve a mystery.

Cause	Traces
A hungry person in the kitchen at midnight	
A burglar	
A mouse in a house	
A younger brother or sister in your room while you're out	

5

145A

vast

The **vast** desert stretched for hundreds of miles in every direction.



Think about it.

What words can you use to describe how **vast** the ocean is? What other things can be **vast**?

The chart below shows four categories of things that can be **vast**. Write as many examples as you can come up with for an example of each category.

distance	
area	
size	
amount	

6

146A

habitats

Forests and oceans are types of **habitats** that support different plants and animals.



Think about it.

How do some animals get what they need to survive from their habitats?

The chart below shows four kinds of **habitats**. Complete the chart below, and list living things that make their homes in each kind of habitat. Add examples of two other **habitats** and list living things that live there.

HABITATS

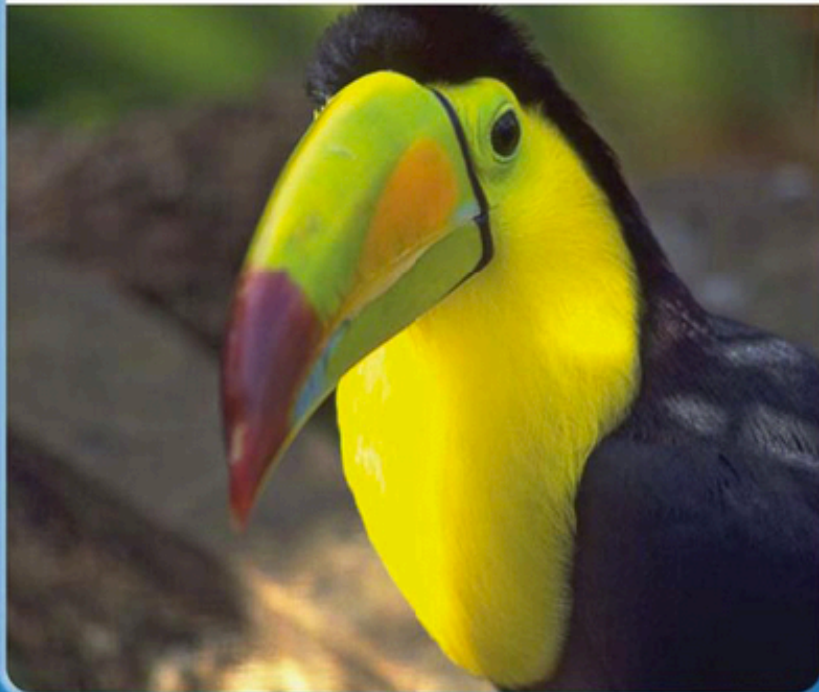
Ocean	Desert
Wetland	Jungle

7

147A

variety

The rain forest contains a wide **variety** of animals and plants.



Think about it.

Would you rather have a **variety** of ice cream flavors from which to choose, or just one? Why?

Think about the saying "Variety is the spice of life." What does this saying mean? Then list as many places as you can think of that have a **variety** of something.

8

148A

species

There are many different **species** of sharks, such as the hammerhead.



Think about it.

What do animals of the same **species** have in common? For example, how are all dogs the same? How can they differ?

Circle the word that could best be substituted with the word **species**.

There are many different kinds of mammals.

What type of plant is that?

A house cat is a different sort of cat than a tiger.

What category of fish do you think is the most interesting?

9

149A

banned

Littering is **banned** in many public places. People should dispose of trash responsibly.



Think about it.

What behaviors or items have been banned at your school?

Complete the chart below.

	Should it be banned?	Why or why not?
Talking on the phone at the movies		
Answering without raising your hand in class?		
Riding bikes without helmets		
Driving a car under the age of 16		

10

150A

radiation

Invisible rays of energy called **radiation** are produced by the sun and other stars.



Think about it.

How do we depend on the radiation of the sun to survive?

Read the following list. Decide whether each one is an example or non-example of radiation

	Yes or no
A light bulb gives off light	
A toaster heats up toast	
You are warmed by the sun	
A car rolls down a hill	
A baseball is struck by a bat	