

Cut out the vocabulary words, definitions and pictures and then see if you can put them with the correct matches again.

ECOSYSTEM

A community of living and non-living things in their environment.



DROUGHT

Too little water in an area.



FLOOD

Too much water in an area.



THRIVE

Grow strong and reproduce.



PERISH

To die.



POPULATION

All of the living things that belong to the same group and live in the same area.



ADAPT

A change in how an organism looks or acts in order to help it survive.



1

What do you think
environment means?

2

An **environment** is the surroundings or conditions in which a person, animal, or plant lives or operates.

3

What are physical
characteristics?

4

Physical characteristics are the natural features of the earth's surface, such as landforms, drainage features, climates, soils, and vegetation.

5



what **physical characteristics** meet the needs of these animals in their environments?



6

Lets look at the
Ocean, Savannah and
Tundra habitat.



7

**What is a
habitat?**

8

A **habitat** is the place or type of place where a plant or animal naturally or normally lives or grows.

9

What is an ecosystem?

10

An **ecoSystem** is a biological community of interacting organisms and their physical environment.

Let us look at the Ocean first.

11



Look at the picture. What do you notice about the Ocean?

12



13

Look at the picture. What do you notice about the Ocean?



14

How do the physical characteristics of the Ocean support the killer whale?



15

The Killer Whale needs the water to move. It also gets its energy from the other fish in the ocean. How else does the Killer whale use the Ocean to support its life?

16

Answer the same questions for the lion and the fox.

How do the physical characteristics of their environments help support their survival and growth?



When environments change organisms move, adapt, or die. So animals have to get M.A.D.

When it gets cold in the winter birds move to warmer



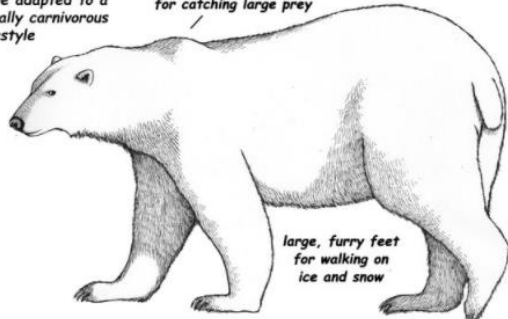
climates. We call this **move**ment migration.

Polar Bear Adaptations

most bears eat some plant matter, but where polar bears live, they have adapted to a totally carnivorous lifestyle

muscle hump over shoulders for catching large prey

white fur helps them hide in plain sight



large, furry feet for walking on ice and snow

Read about some of the Polar Bear Adaptations.

If animals do not move or adapt. They will die.



1. Place the cards in the correct places on the board.
2. Flip over one scenario and one organism card.
3. Read the scenario card. Each person will take a turn reading the scenario cards.
4. Each person takes a turn describing whether you think the organism will move or adapt in that scenario in order to survive.

Use these sentence stems to guide your conversations.

I think the _____ will **move** because the scenario says _____.

I think the _____ will **adapt** because the scenario says _____.



Move

Move

Move

Move

Adapt

Adapt

Adapt

Adapt

Or

Or

Or

Or

DIE

DIE

DIE

DIE

Move

Move

Move

Move

Adapt

Adapt

Adapt

Adapt

Or

Or

Or

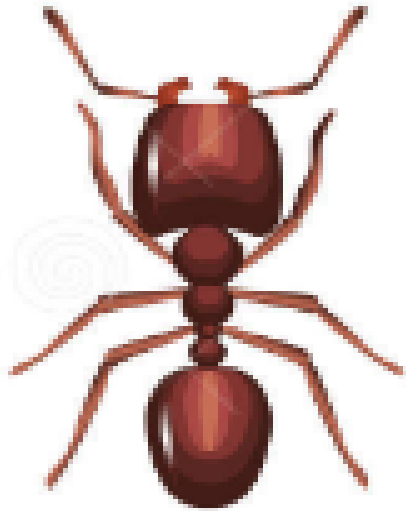
Or

DIE

DIE

DIE

DIE



Move

Move

Move

Move

Adapt

Adapt

Adapt

Adapt

Or

Or

Or

Or

DIE

DIE

DIE

DIE

Move

Move

Move

Move

Adapt

Adapt

Adapt

Adapt

Or

Or

Or

Or

DIE

DIE

DIE

DIE

Scenario Card

A forest fire begins to rage across the land.

Scenario Card

There is a drastic shift in the climate from cold to hot or from hot to cold.

Scenario Card

There is a severe drought. There has not been rain for eight months.

Scenario Card

A flood suddenly hits the land and the water is pouring down.

Scenario Card

Humans decide to move in and build and shopping mall.

Scenario Card

A new species comes into the habitat and begins competing for food.

Scenario Card

Hunters begin to kill your food source.

Scenario Card

Your natural habitat begins to change color because of the fall season.

Move

Move

Move

Move

Adapt

Adapt

Adapt

Adapt

Or

Or

Or

Or

DIE

DIE

DIE

DIE

Move

Move

Move

Move

Adapt

Adapt

Adapt

Adapt

Or

Or

Or

Or

DIE

DIE

DIE

DIE

Place the stack
of organism
cards here face
down.

Place the stack
of scenario
cards here face
down.

Flip over on
organism card
here.

Flip over on
scenario card
here.

