

*Module 8. Green issues. Unit: Extensive Reading 8.  
Across the Curriculum: Science.*

*The Food Chain*

# WONDERFUL ECOSYSTEMS

Can you tell me some of the different ecosystems that are in our world today?

Now check your answers.



Grasslands



Tundra



Polar areas



Oceans



Forests



Deserts

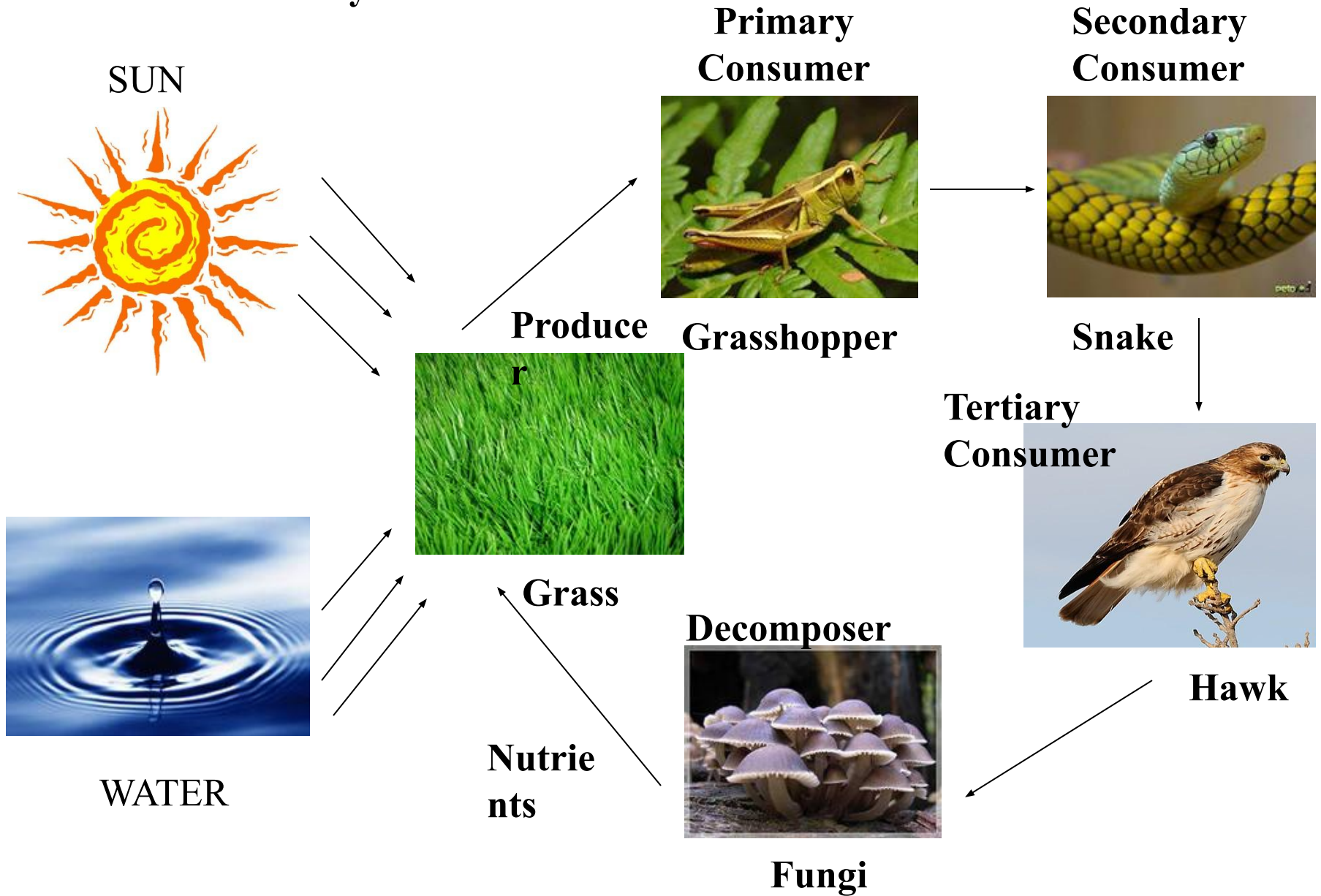
**These different places and all the things that live in them are called ecosystems.**

## Read the dictionary entry. What is it?

    ?     : n-count using. a series of living things which are linked to each other because each thing feeds on the next one in the series.

- a. Ecosystem
- b. Food chain
- c. Animals

# The ecosystem is for a forest.



How is the dictionary entry (slide 3) related to the diagram?



# The food chain.

SUN



WATER



Producer



Grass

Nutrients

Primary Consumer



Grasshopper

Secondary Consumer



Snake

Tertiary Consumer



Hawk

Decomposer



Fungi

- Which animal only eats plants (herbivore)?
- Which animal eats other animals (carnivore)?
- Which animal eats plants and animals (omnivore)?

# DESERT Food Chain

## Large Predators



Hawk



Fox

## Small Predators Carnivores, Insectivores



Snakes & Lizards



Scorpion & Tarantula

## Primary Consumers



Small Mammals



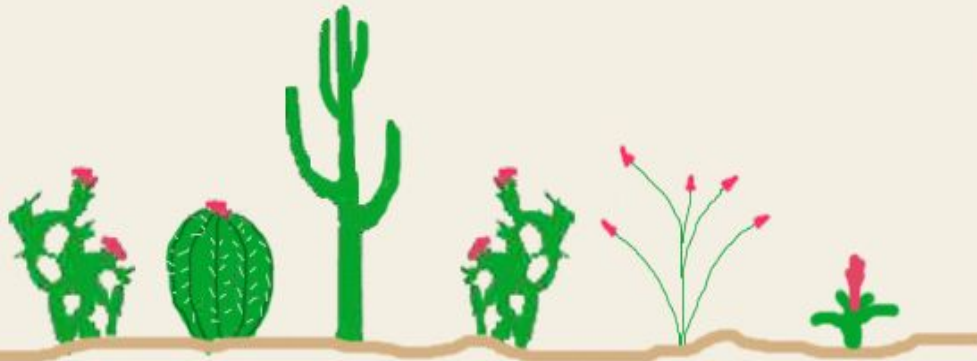
Insects



Lizards

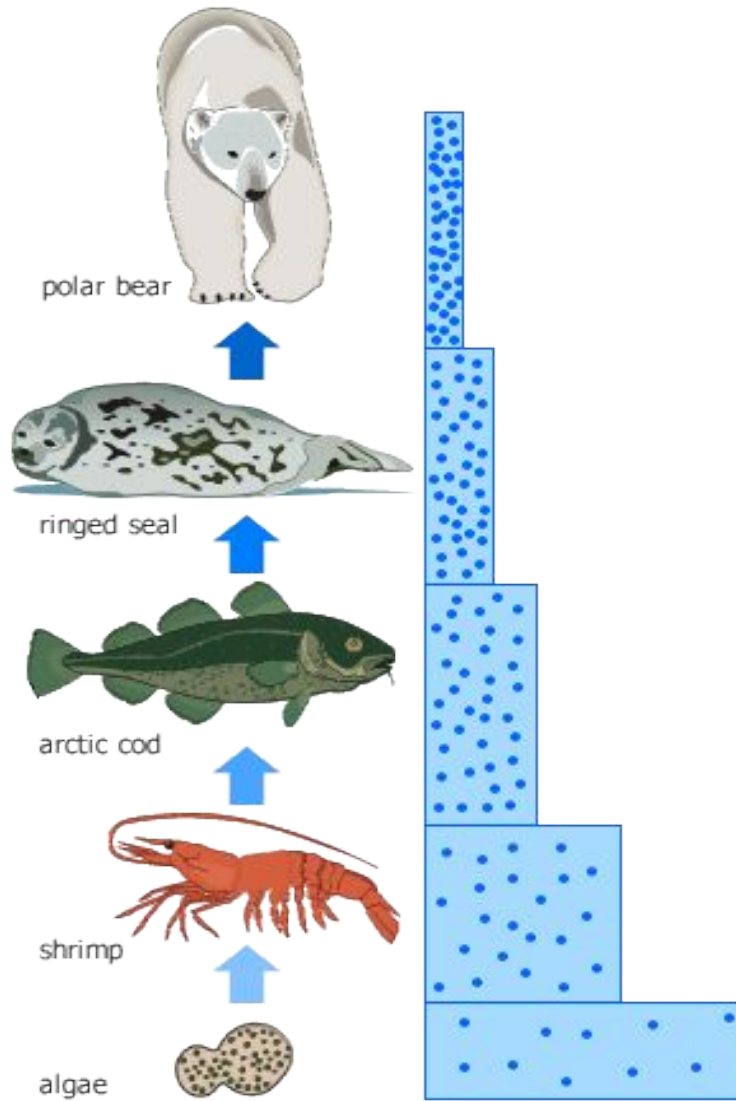
## Primary Producers

Cacti, Thorn Acacias, Creosote Bushes, Sage Brush  
Ocotillo, Rabbit Brush and flowering Annuals.

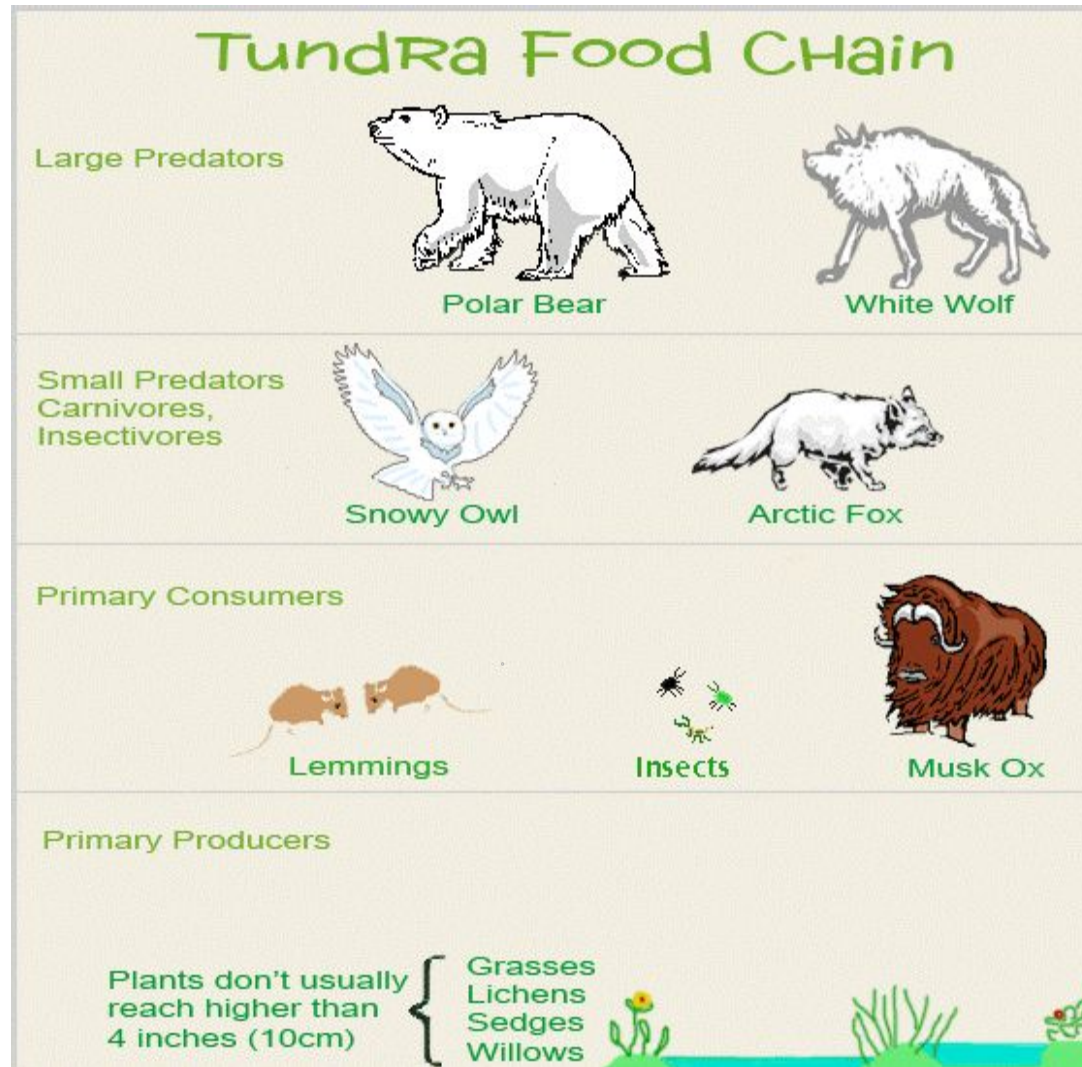


**For example, the food chain for a desert ecosystem could start with plants (like cacti, which mean more than one cactus), insects (because insects like beetles eat plants), then lizards (because lizards eat insects), and finally, hawks (because hawks eat lizards).**

**Use the diagram to explain the food chain in polar areas.**



Use the diagram to explain the food chain on the tundra.





# The food chain.

**Read the text on page 83, ex.3 and fill in the gaps with the correct word.**

**Now listen and check your answers.**

**Gap1: the**

**Gap2: are**

**Gap3: as**

**Gap4: they**

**Gap5: these**

**Gap6: them**

**Gap7: there**

**Gap8: a (the)**

## The food chain.

In groups, try to explain the words.

*Herbivore* - a living thing that only eats plants.

*Carnivore*

*Omnivore*

*Bacteria*

*Fungi*

*Extinction*

*Break down*

*Compounds*

*Provide*

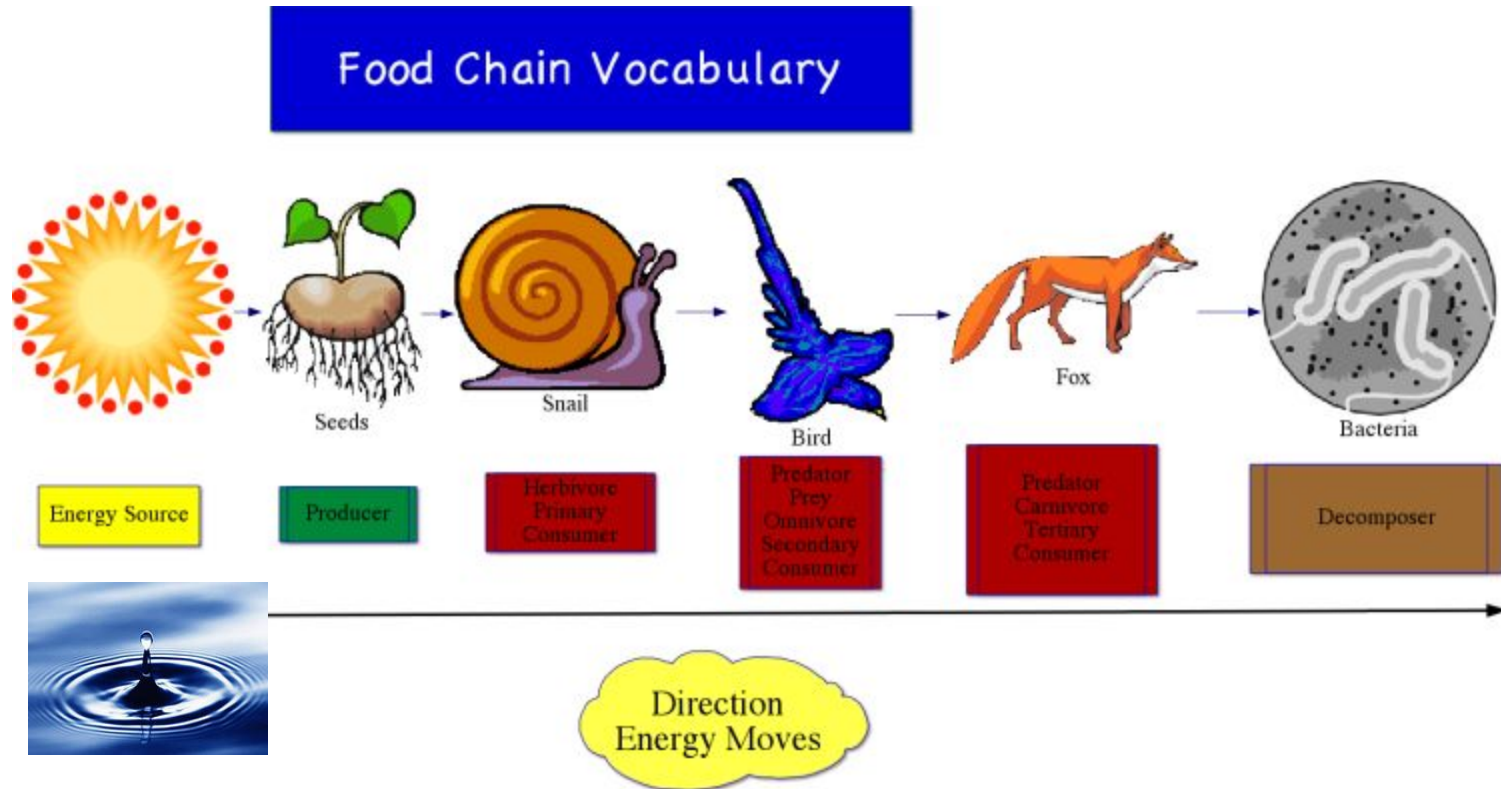
*Survive*

## The food chain.

Now you can see possible answers.

- Herbivore* - a living thing that only eats plants.
- Carnivore* - a living thing that only eats meat.
- Omnivore* - a living thing that eats both plants and meat.
- Bacteria* - very small organisms.
- Fungi* - plants that have no flowers, leaves or green coloring.
- Extinction* - the dying out of a species.
- Break down* - decompose, destroy.
- Compounds* - substances.
- Provide* - give.
- Survive* - to continue to exist even after being in a dangerous situation.

# The food chain



**The food chain really starts with something that isn't living at all – the Sun. You know this, but plants need sunlight and water to grow just like you need food to grow.**



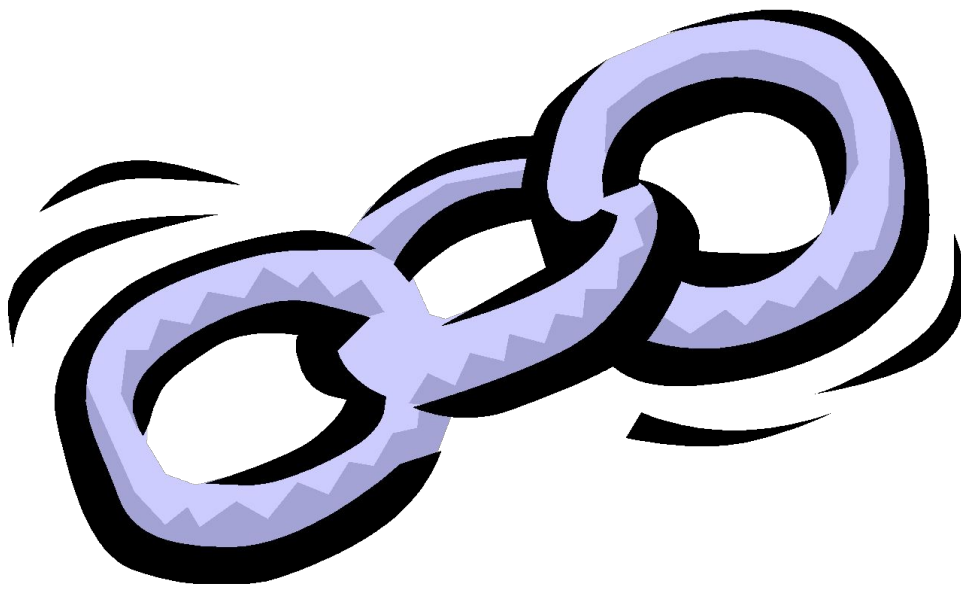
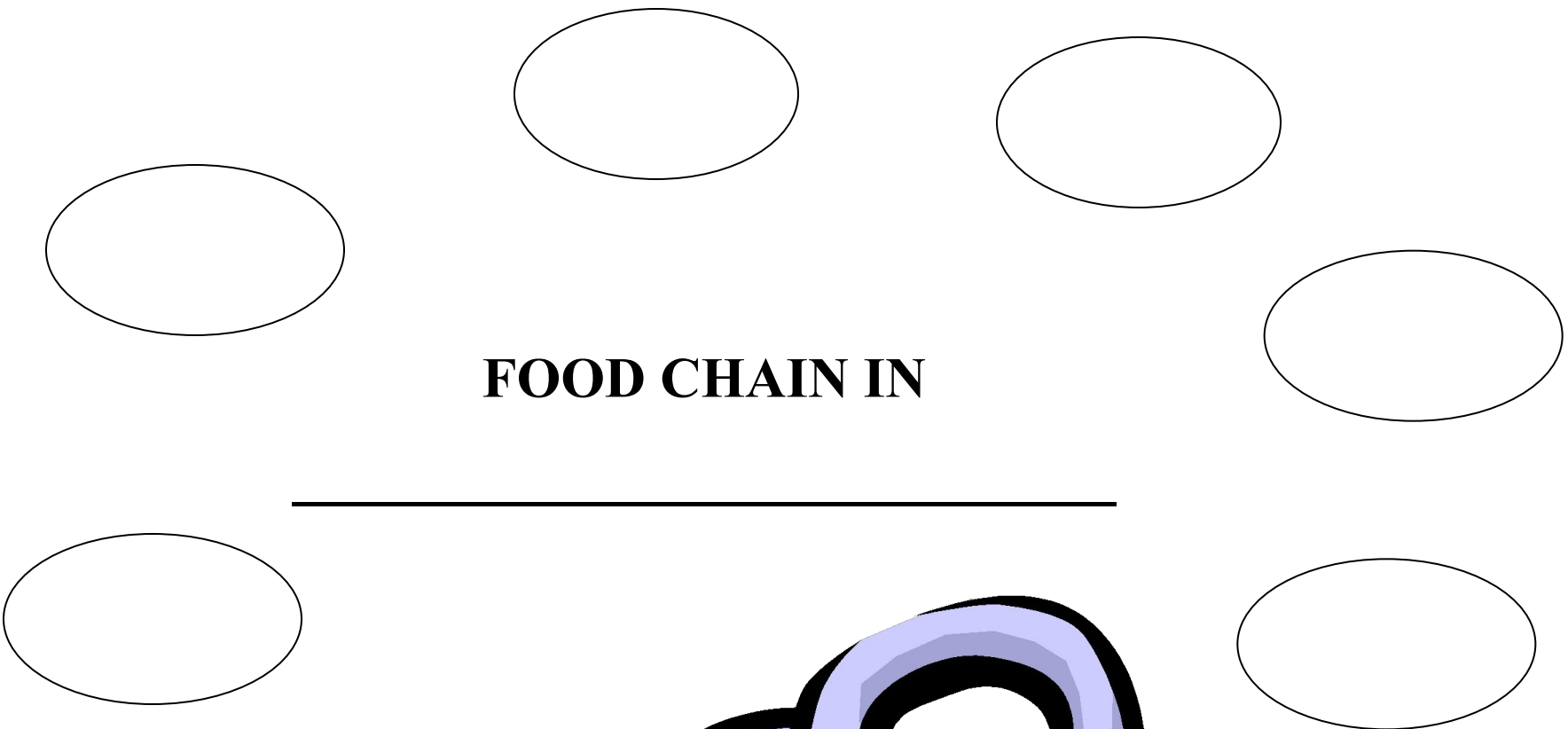
In groups, discuss my questions and write your answers.

Give you 6-7 minutes. Then you will present your answers each other.

<b>Questions</b>	<b>Answers</b>
<b>1. What is a living thing that eats and grows by turning sunlight into food?</b>	
<b>2. So, do you think humans are producers? How about lions? Rabbits? Ants?</b>	
<b>3. What do these living things need to eat to get energy?</b>	
<b>4. What are the living things called?</b>	
<b>5. Can you say “consumers”?</b>	
<b>6. What is a decomposer ?</b>	
<b>7. What is an example of decomposer?</b>	
<b>8. What do you think will happen if one of the living things in the food cycle, all of a sudden, vanishes? What do you think will happen to the animals that eat these living things and depend on them for food?</b>	
<b>9. Do you know how we make living things disappear? What happens to the animals that lived in those forests?</b>	
<b>10. Then what do you think happen to other groups of animals that feed on the animals that are gone?</b>	
<b>11. Why is it important that we help take care of ecosystems in our world?</b>	

Complete your own food chain. Present your food chain to the classmates.

**FOOD CHAIN IN**



## **The food chain.**

During the lesson we have:

- got acquainted with
- talked
- reviewed
- asked
- answered
  - found out
  - learnt
- remembered
- worked hard
- discussed ...

Your homework for the next lesson is to complete the diagram. Write notes about an ecosystem. Write about why and how people should protect it.

