



---

# ECOSYSTEMS

---

CEIP SAN VICENTE



## SESSION 1 Elements in an Ecosystem

Copy the following exercises

1.- What is an ecosystem?

---

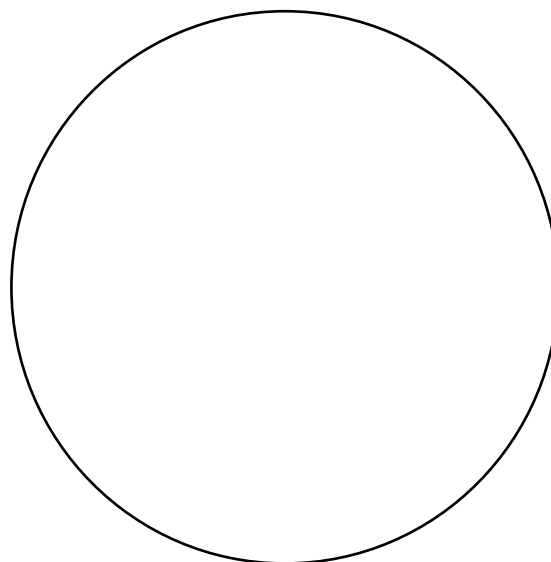
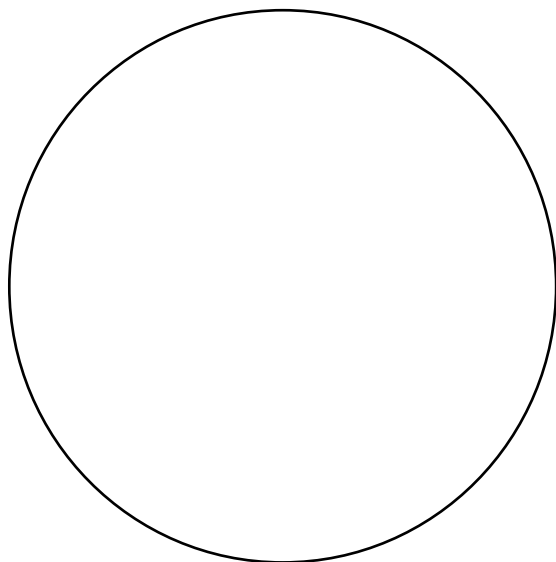
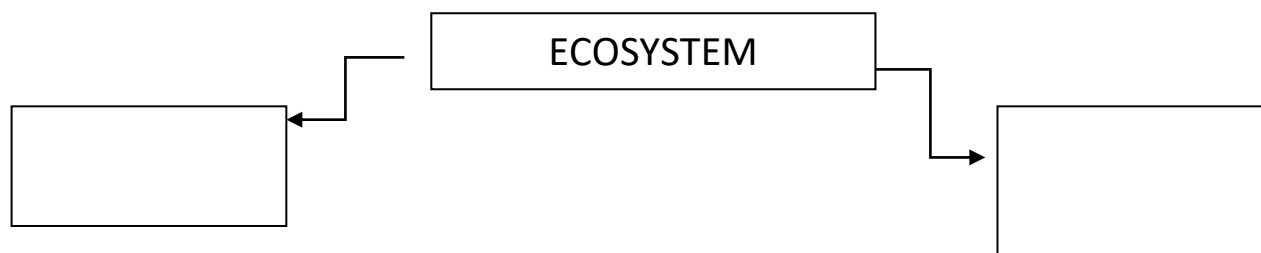
---

2.- What is the size of an ecosystem?

---

---

3.- Fill in the mind map elements in an ecosystem



SESSION 2: Interaction among the elements in an ecosystem

1.- What is a food chain? It is a process that shows .....  
.....

2.- Classification of living things by its trophic relationships  
.....

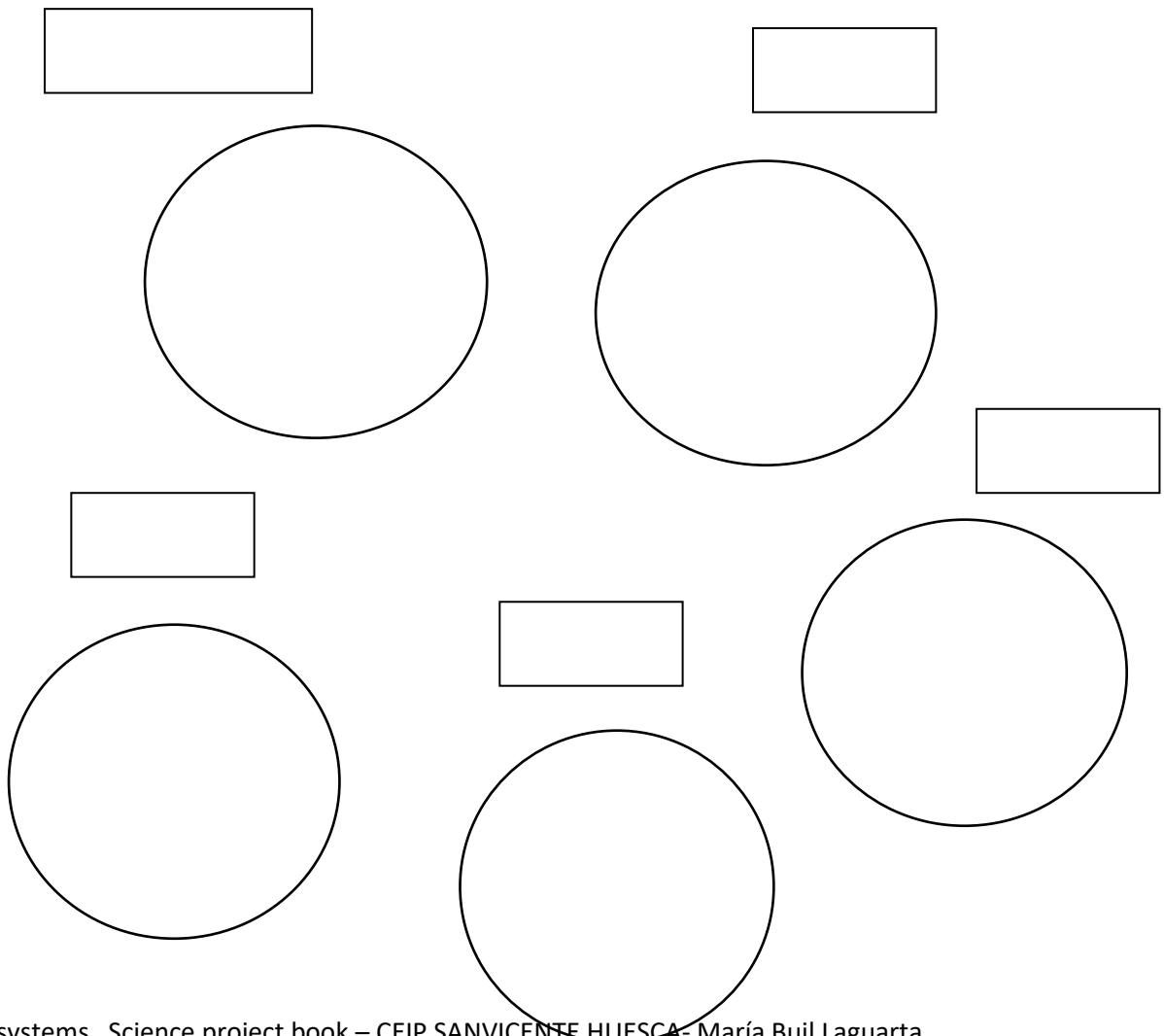
3.- Write the definition of the following elements:

Parasitism: .....  
.....

Mutualism: .....  
.....

Competition: .....  
.....

4.- Fill in the chart so that it shows a food chain



# UNIT 4

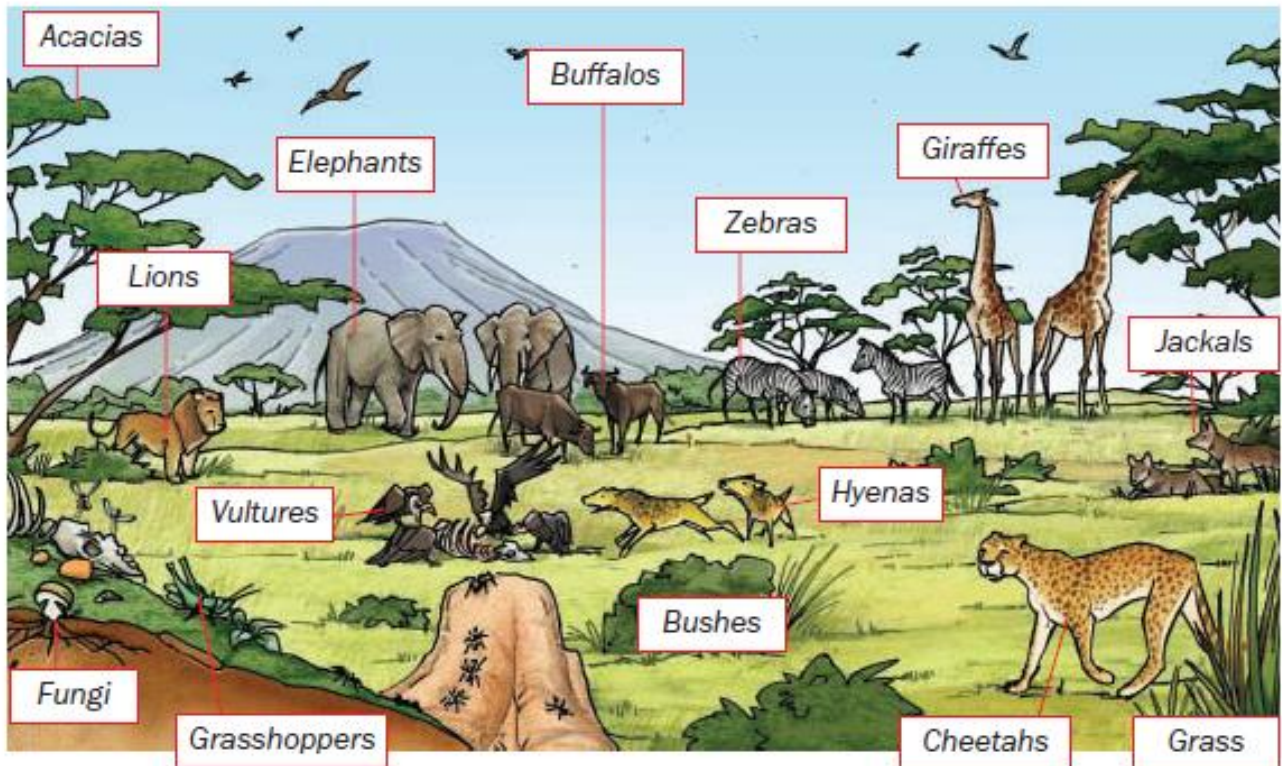
## Food Chains

**ACT**

Name: .....

Class: ..... Date: .....

Look at the picture and complete the table at the bottom of the page.



PRODUCERS		

CONSUMERS		
Herbivores	Carnivores	Scavengers

DECOMPOSERS		

SESSION 3: Revision Session 1 AND 2: ELEMENTS IN AN ECOSYSTEMS / TROPHIC RELATIONSHIPS

1. Match with lines the picture with the names and the kind of factor



Temperature

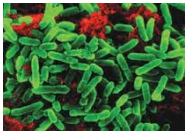


Deer



Lion

BIOTIC FACTORS



Mould



ABIOTIC FACTORS

Beech



Water



Bacteria



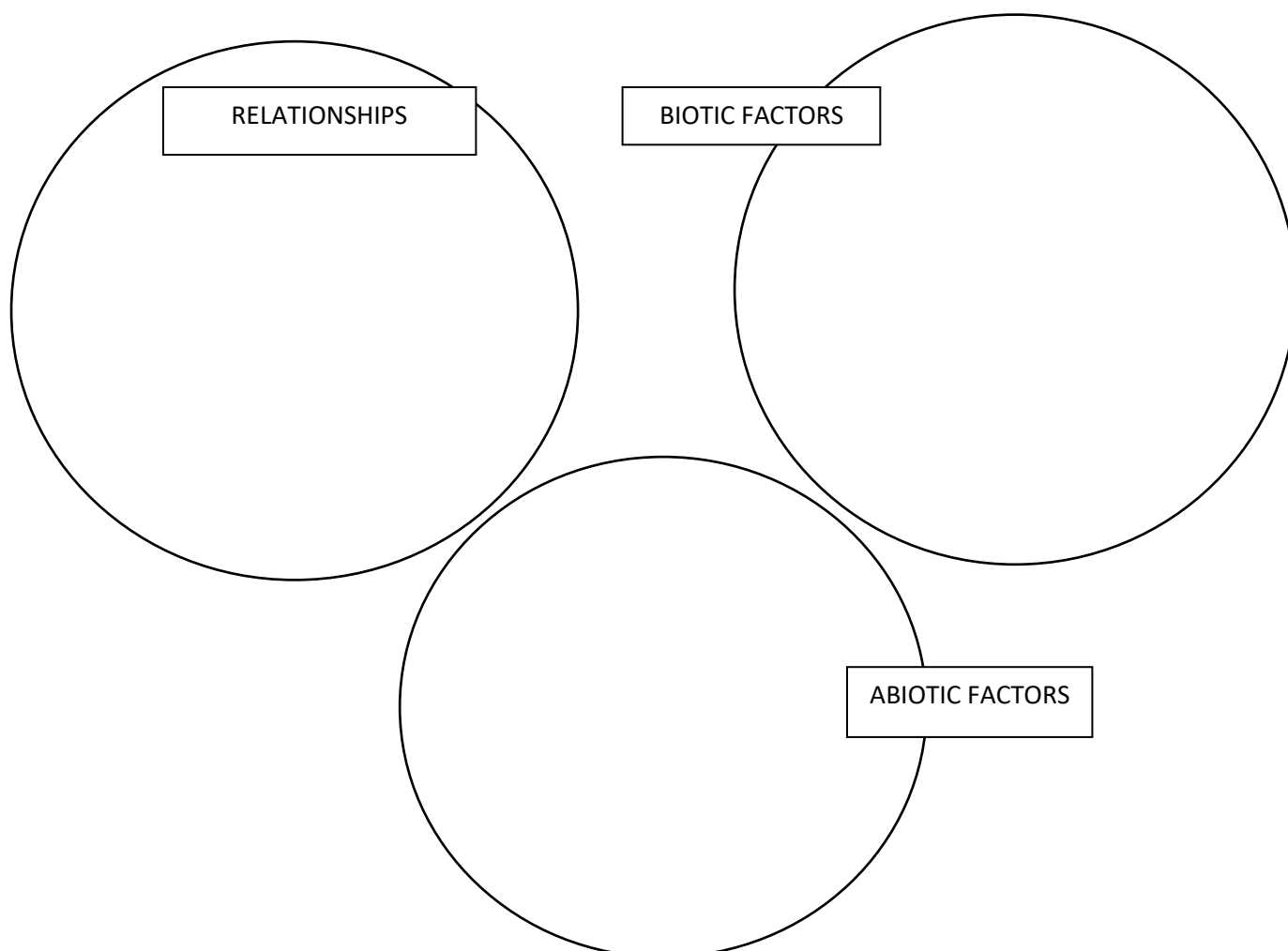
Complete: Mutualism – Parasitism – Competition

A relationship where both individuals are benefit is called .....

A relationship where one individual is benefit and the other remains the same is called .....

A relationship where one individual is benefit and the oher is harmed is called .....

2. Complete the following diagram with the following words. Some more may be added



Parasitism Symbiosis Algae Plants Trees Climate Bodies of water	Rabbits Foxes Fish Seal Shark Fungi Soil	Relief Mutualism Cows Lizard
---	--	---------------------------------------

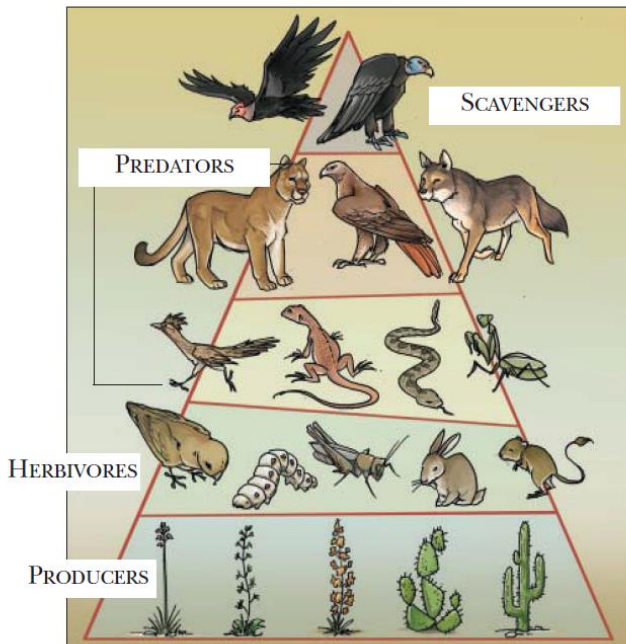
5.- What is a food chain?

.....

.....

.....

2 In food pyramids, like the one in the picture below, the living things of an ecosystem are arranged in levels. This pyramid is from the ecosystem of a desert in North America. Draw a food pyramid like this for the ecosystem of the African savannah appearing in your book.



# UNIT 4 Ecosystems

CON

Name: .....

Class: ..... Date: .....

5 Name the four types of consumers that exist in an ecosystem, explain how each one of them feeds and add an example.

- a) .....
- b) .....
- c) .....
- d) .....

6 Match the elements in the columns.

A. Producers

B. Consumers

C. Decomposers

1. Heterotrophs

2. Autotrophs

7 Why are producers the basis of all food in an ecosystem?

- .....
- .....
- .....
- .....
- .....



**1** Look at the picture and answer the questions about this ecosystem.

- Is this physical environment terrestrial or aquatic? \_\_\_\_\_
- What components make up the physical environment? \_\_\_\_\_
- What living things are present in this ecosystem? \_\_\_\_\_
- How do living things modify this environment? \_\_\_\_\_



**2** Match each word with its definition. Then, look at the picture above and label a species, a population and the community.

- community                                      group of living things that can successfully reproduce
- species    all the organisms of one species in an ecosystem
- population                                        all the populations in an ecosystem

**3** Write an example of each.

- a. Producer: \_\_\_\_\_
- b. Primary consumer: \_\_\_\_\_
- c. Secondary consumer: \_\_\_\_\_
- d. Tertiary consumer: \_\_\_\_\_
- e. Scavenger: \_\_\_\_\_
- f. Decomposer: \_\_\_\_\_

**4** Number the living things in this food chain in order. Then, write *producer*, *primary consumer*, *secondary consumer* and *tertiary consumer*.



\_\_\_\_\_

\_\_\_\_\_



\_\_\_\_\_

\_\_\_\_\_



\_\_\_\_\_

\_\_\_\_\_



\_\_\_\_\_

\_\_\_\_\_

**5** Match the columns using four different colours.

- a. Competition
- b. Parasitism
- c. Mutualism
- d. Commensalism

is the relationship between

two species when one benefits and the other remains unaffected.

two species when both benefit.

two species when one benefits while the other suffers.

different species that have the same needs.

**6** Look at the pictures. Name each type of relationship.



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_

**Definitions:**

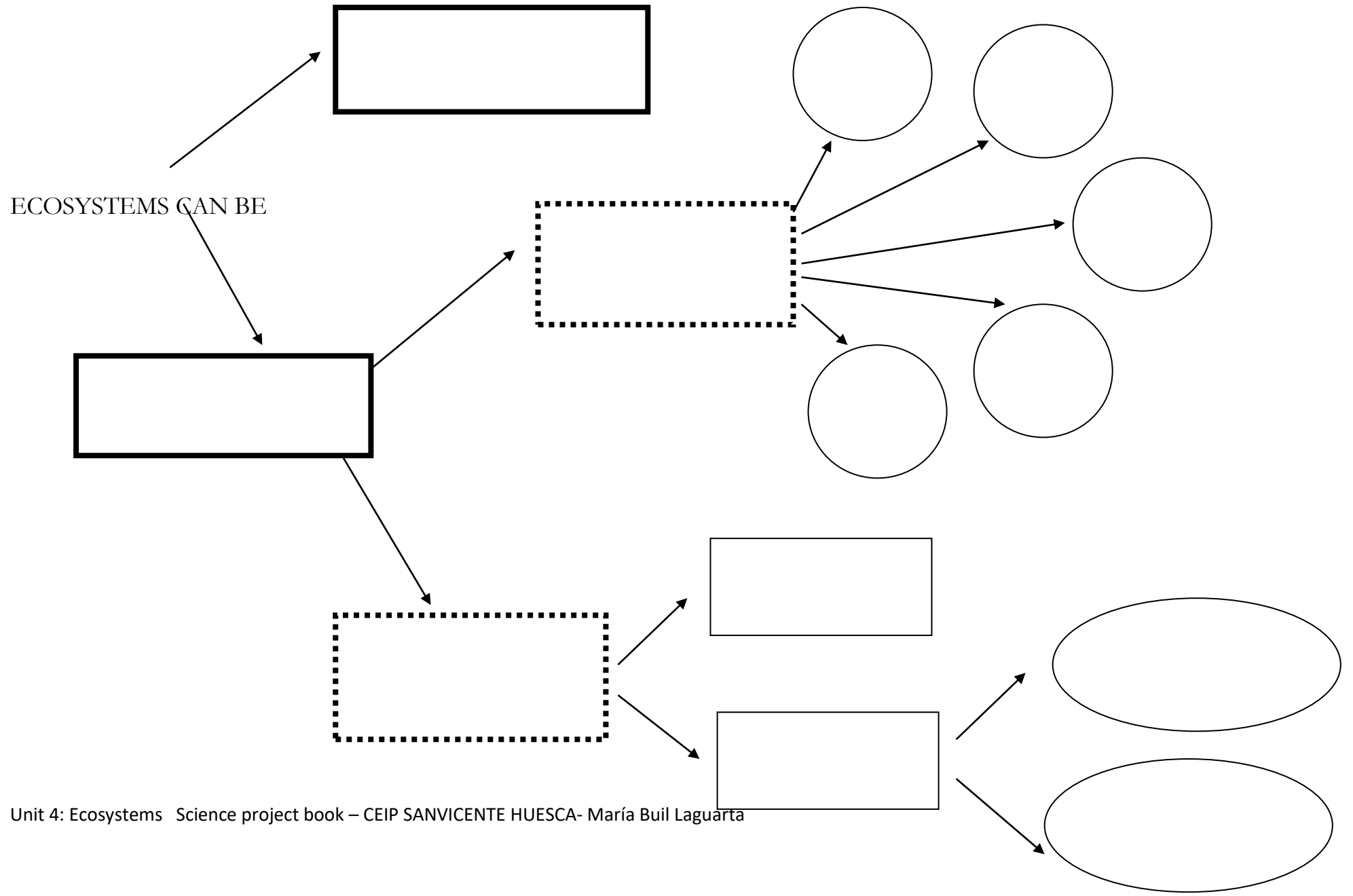
Ecosystem: .....

.....

Biotic elements: .....

.....  
Abiotic elements:.....  
.....  
Flora:.....  
.....  
Fauna:.....  
.....  
Food chain:.....  
.....  
Producers:.....  
.....  
Primary consumers:.....  
.....  
Secondary consumers:.....  
.....  
Tertiary consumers:.....  
.....  
Decomposers:.....  
.....  
Parasitism:.....  
.....  
Mutualism:.....  
.....  
Competition:.....  
.....  
Habitat:.....  
.....  
Species:.....

SESSION 4 : TYPES OF ECOSYSTEMS



Warm-up activity

Option A

Find and circle different *habitats*.

M	X	D	E	S	E	R	T	V	E
T	O	U	R	S	A	R	T	I	C
Z	H	U	M	I	G	E	S	A	T
K	I	L	N	O	T	I	E	R	S
V	E	S	H	T	H	E	R	U	Y
W	A	O	C	E	A	N	O	F	C
S	E	E	J	A	P	I	F	T	H
G	R	A	S	A	L	A	N	D	X
T	S	E	R	O	F	N	I	A	R

How many "habitats" have you found?

What animals do you know that live in each of these habitats?

Write a definition of the word "habitat"

Share your answers with the rest of your classmates.

.....

.....

.....

.....

.....

.....

.....



## The World

# Types of ecosystems:

There are 3 types of ecosystems:

Ecosystems	ABIOTIC ELEMENTS				BIOTIC ELEMENTS	
	<i>Seasons</i>	<i>Rainfall</i>	<i>Soil</i>	<i>temperature</i>	<i>Vegetation</i>	<i>Animals</i>

# Types of ecosystems:

There are 3 types of ecosystems:

Ecosystems	ABIOTIC ELEMENTS				BIOTIC ELEMENTS	
	<i>Seasons</i>	<i>Rainfall</i>	<i>Soil</i>	<i>temperature</i>	<i>Vegetation</i>	<i>Animals</i>