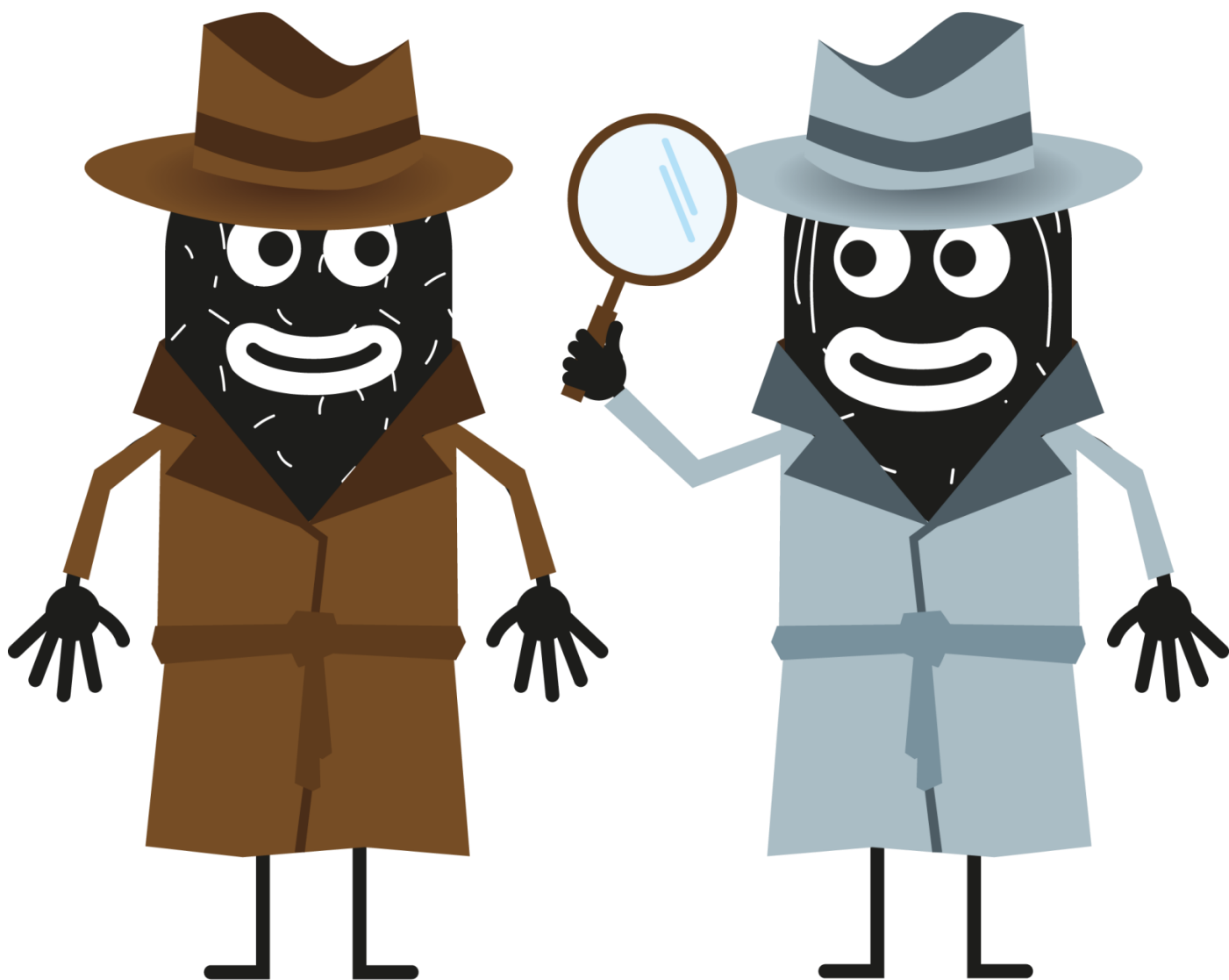


Field Notebook



Outdoor lesson experience _____

Date _____

Name and surname _____

Grade _____

ACTIVITY 2: ENVIRONMENT INVESTIGATION



We are going to investigate the environment. We will discover and observe different animal and plant species. Please fill out the observation sheet for each observed species. You can choose up to eight different ones. Ready, steady, go!

DATE AND TIME OF OBSERVATION	
DO YOU KNOW ITS NAME?	
WHERE HAVE YOU SEEN IT?	
IF IT IS AN ANIMAL, WHAT WAS IT DOING?	
TOTAL NUMBER OF INDIVIDUALS OBSERVED	

DRAW IT

Nº2



DATE AND TIME OF OBSERVATION	
DO YOU KNOW ITS NAME?	
WHERE HAVE YOU SEEN IT?	
IF IT IS AN ANIMAL, WHAT WAS IT DOING?	
TOTAL NUMBER OF INDIVIDUALS OBSERVED	

DRAW IT

N°3



DATE AND TIME OF OBSERVATION	
DO YOU KNOW ITS NAME?	
WHERE HAVE YOU SEEN IT?	
IF IT IS AN ANIMAL, WHAT WAS IT DOING?	
TOTAL NUMBER OF INDIVIDUALS OBSERVED	

DRAW IT

N°4



DATE AND TIME OF OBSERVATION	
DO YOU KNOW ITS NAME?	
WHERE HAVE YOU SEEN IT?	
IF IT IS AN ANIMAL, WHAT WAS IT DOING?	
TOTAL NUMBER OF INDIVIDUALS OBSERVED	

DRAW IT

N°5



DATE AND TIME OF OBSERVATION	
DO YOU KNOW ITS NAME?	
WHERE HAVE YOU SEEN IT?	
IF IT IS AN ANIMAL, WHAT WAS IT DOING?	
TOTAL NUMBER OF INDIVIDUALS OBSERVED	

DRAW IT

N°6



DATE AND TIME OF OBSERVATION	
DO YOU KNOW ITS NAME?	
WHERE HAVE YOU SEEN IT?	
IF IT IS AN ANIMAL, WHAT WAS IT DOING?	
TOTAL NUMBER OF INDIVIDUALS OBSERVED	

DRAW IT

N°7



DATE AND TIME OF OBSERVATION	
DO YOU KNOW ITS NAME?	
WHERE HAVE YOU SEEN IT?	
IF IT IS AN ANIMAL, WHAT WAS IT DOING?	
TOTAL NUMBER OF INDIVIDUALS OBSERVED	

DRAW IT

N°8



DATE AND TIME OF OBSERVATION	
DO YOU KNOW ITS NAME?	
WHERE HAVE YOU SEEN IT?	
IF IT IS AN ANIMAL, WHAT WAS IT DOING?	
TOTAL NUMBER OF INDIVIDUALS OBSERVED	

DRAW IT

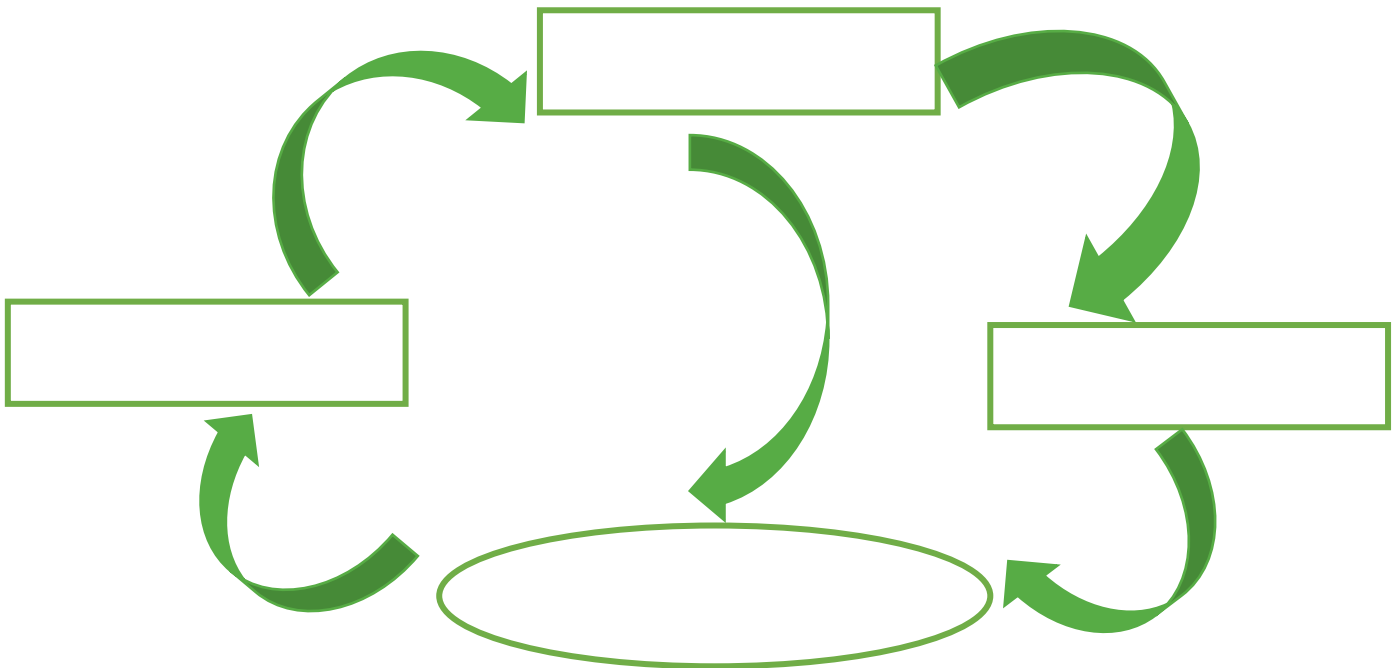
DATA SUMMARY

NUMBER OF BEETLE SPECIES OBSERVED	
NUMBER OF INDIVIDUALS OF EACH SPECIES OF BEETLE	
NUMBER OF SPECIES OF PLANTS OBSERVED	
NUMBER OF INDIVIDUALS OF EACH SPECIES OF PLANTS	
NUMBER OF SPECIES OF ANIMAL OBSERVED	
NUMBER OF INDIVIDUALS OF EACH SPECIES OF ANIMAL	

ACTIVITY 6: FOOD CHAIN



To overcome this test and get the 1st syllable of the name of the beetle, you must correctly complete the following trophic chain, which involves grass, rabbit, eagle and a fourth mysterious link that you will have to discover. They are organisms that live in the soil and are responsible for closing the trophic chain and ensuring that the flow of energy and matter returns to the producers' link. **Will you know what it can be?**



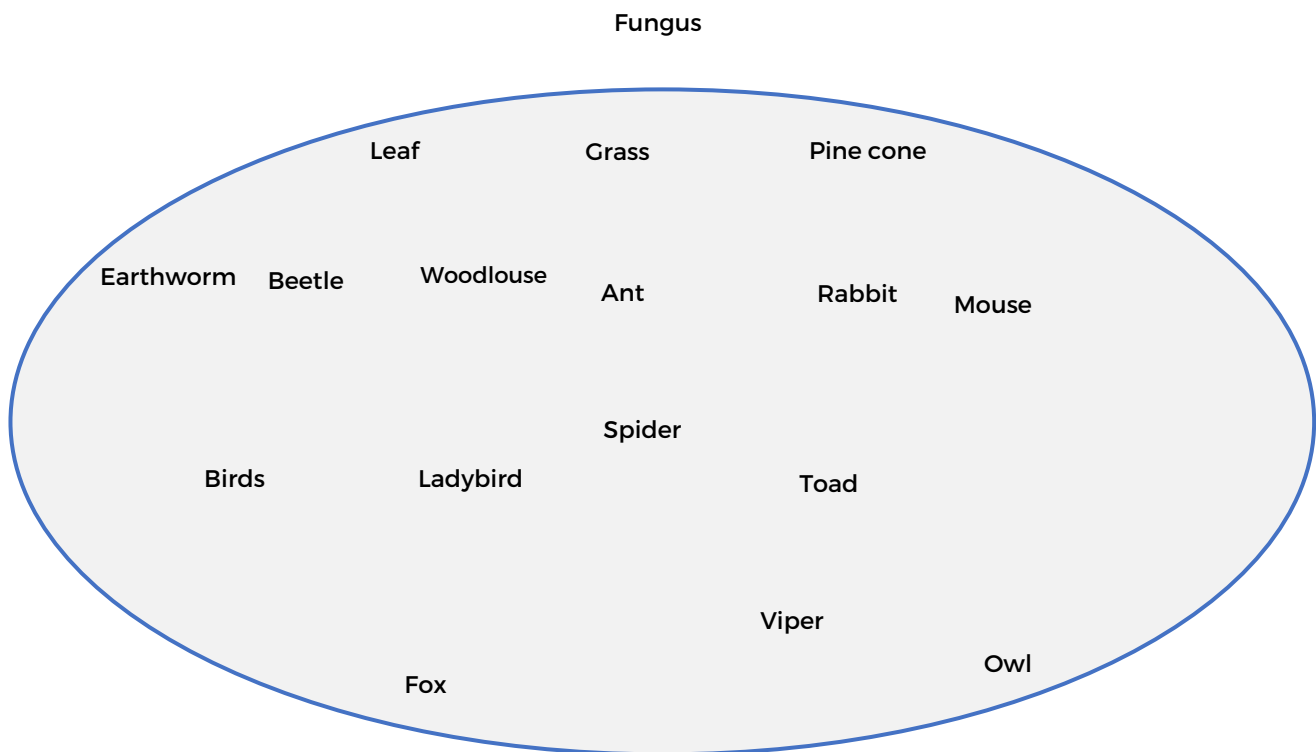
CHALLENGE COMPLETED!

Record the first syllable of the name of the beetle in the blank box

ACTIVITY 8: FOOD WEB



Please complete the following food web indicating the relationship that is established between living beings:



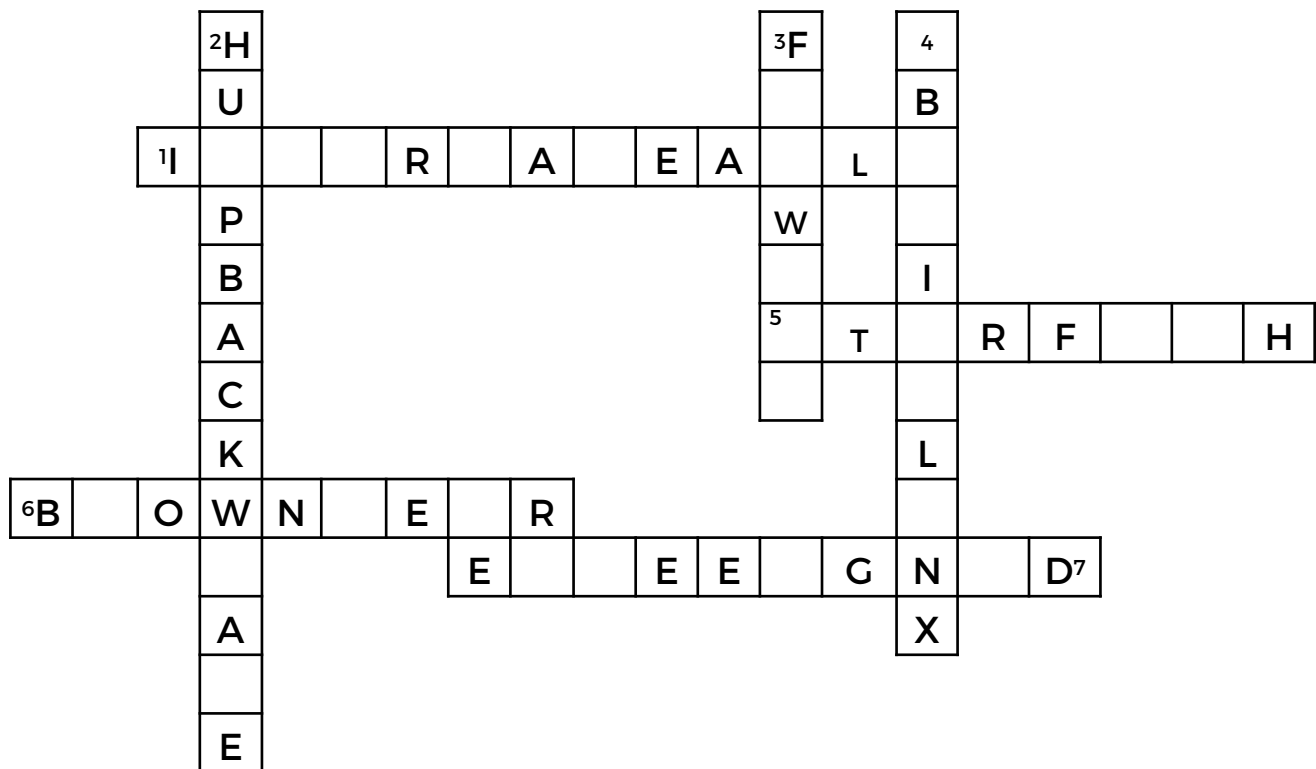
CHALLENGE COMPLETED!

Record the second syllable of the name of the beetle in the blank box

ACTIVITY 9 : CROSSWORD CHALLENGE



Find out the name of some animals that are considered umbrella, flagship or keystone species for the ecosystem.



CLUES:

1. My scientific name is *Aquila adalberti* and I am one of the most emblematic bird of prey of the Iberian Peninsula. I'm specialized in rabbit hunting, but I also eat squirrels, mice and other birds. I am able to distinguish any type of mammal or rodent in the distance, no matter how small. They consider me a flagship species because I am famous and worthy of conservation.
2. My scientific name is *Megaptera novaeangliae*. I am a marine mammal and spend the summers in cold waters of the Arctic and Antarctic region when the food is abundant there. I travel to tropical or subtropical climates to give birth. I eat krill and small fish. Some time ago I nearly became extinct due to the excessive fishing. Fortunately, I am now a protected species and my population is increasing little by little. I will tell you a curiosity: I love singing very loud and very long songs. They consider me an umbrella species because by protecting me they are also protecting all the areas where I travel to. Consequently, many other living beings that live in those areas are protected.
3. My scientific name is *Blastophaga psenes*. I am a small type of wasp, but I have a very important job: I am in charge of pollinating the flowers of a group of trees and shrubs called Ficus, such as the fig tree. I go inside the flowers to lay my eggs. My larvae feed on the figs until they get out. Due to this pollination function I am considered a keystone species.

4. My scientific name is *Lynx pardinus*. I am one of the most threatened wild cats on the planet and my population is endangered. I feed on rabbits mainly. My main threats are the decrease in the population of rabbits, the destruction of the Mediterranean forest, poaching, poisoning or the deaths by road traffic. They consider me an umbrella and a flagship species: thanks to the fact that I am a protected species, they are also protecting the entire territory in which I live and many other species that live in these areas. In addition, I am a flagship, emblematic and famous species. This is very useful to raise money for programs of protection and conservation of my species.
5. My scientific name is *Astroidea sp.* I live in the sea, I have a flat body with five or more arms. I will tell you a curiosity about me: If I lose an arm, it grows on its own again, and I can even regenerate my entire body from a single arm! They say that I am a keystone species because I control the populations of the animals that I feed on perfectly. If I disappeared, one of them would invade the habitat and would not let the other organisms live. In addition, I protect human beings: medicines can be made with my exoskeleton.
6. I am a large mammal and live in the Cantabrian Mountains and the Pyrenees, in areas far away from human beings, as they are my main threat. I have brown hair, I hibernate for a few months and I love honey combs. I am protected as there is a very small number of individuals of my species (300 approximately). They consider me an umbrella species because by protecting me, they are also protecting my habitat and other living beings I live with. I am also a flagship species because I generate a lot of impact in the media.
7. I am a coleoptera and I like to live among the fallen leaves in the forest or in wide meadows where livestock is abundant. I like to make kind of meatballs to eat and I am very strong; I can lift up to 200 times my weight! Already in ancient Egypt I was the symbol of protection. I could be considered an umbrella species because I make it possible that many other species of animals and plants can exist thanks to my work. I also help to keep the ecosystems clean of excrement.

CHALLENGE COMPLETED!

Record the third syllable of the name of the beetle in the blank box

ACTIVITY 10 : GUESSING THE SCIENTIFIC NAME OF THE DUNG BEETLE

Complete the scientific name of the beetle with the syllables you have obtained at the end of each challenge.

SCA			EUS
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