

CHECK YOUR LEARNING

Answer the following questions. Use <u>full sentences</u> and be careful with your handwriting.

ELEMENTS OF AN ECOSYSTEM

I. L	vetine these words
а	. Population
b	p. Flora
C	. Physical environment
C	I. Community
E	E. Fauna
f	Ecosystem
2. C	Complete the sentences about ecosystems
а	. Living things include
b	o. The physical environment includes

3. Look at his ecosystem. List the elements of the physical environment and the living things.

		temperate deciduous forest community		
			The second	
7	individual		population	
No.			TOPOL	
		THAT.	*	Wallet B.

Physical environment

Living things _	 	 	

4. Classify the words in the right column. Then add two more examples in each column.

Physical environment		Living things	
Elements Factors	Flora	Fauna	Other

5. Look at the ph components of a ra			e the	
	ograph. Which	factors affect this t	terrestrial ecosystem? He	ow do
they affect it?				
			when the A	
7. Draw and label	an aquatic ec	osvstem. Include 1	the physical environmen	nt and
several populations				

Complete the text using these word	o . (Complete	tne	text	using	tnese	word
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terrestrial shelter community physical environment population interrelationships aquatic species

Ecosy	stems consist of a			living	things	and	the
	among them and	the environment.	Physical	enviro	onment	can	be
	or	. •					
All liv	ing things are grouped into	All th	e organis	ms of c	ne spe	cies ir	n an
ecosy	stem make up a	_, and all the popu	lations of	an ecc	system	make	e up
a							
9. Fi	nd the mistakes. Write the sent	tences correctly.					
a. A	s a group, all the living things in	an ocean are called	l a popula	ition.			
b. Z	ebras and horses are different sp	ecies, so they can r	eproduce	succes	ssfully.		
c. A	ll the oak trees in a forest make ι	up the community c	of oak tree	es in tha	at forest	·•	
10. \	Write the terms for these defin	itions					
a.	: all anima	als living in an ecos	ystem.				
b.	: a place	where a particular p	olant or ar	nimal n	ormally	grow	ıs or
	lives.						
c.	: all plant	life in an ecosysten	n .				
d.	: all living	g and non-living thi	ngs found	d in a s	specific	area	and
	the interaction between them.						
e.	: group o	f organisms of the	same spe	cies in	an area		
f.	: group o	f organisms of diffe	rent spec	ies in a	n area.		

TYPES OF ECOSYSTEMS

	Read the following sentences and indicate if they are true (T) of false (F).
	Artificial ecosystems can only be terrestrial.
b.	All ecosystems are very big in size.
C.	The biggest ecosystem on planet Earth is the Earth itself.
d.	A puddle is considered a small ecosystem
e.	All ecosystems are man-made or artificial
f.	We can classify aquatic ecosystems by their salinity.
	ook at the photos and identify the ecosystems from the box. Write down two
	tropical rainforest tundra savannah Mediterranean forest
a (1)	Ecosystem a Ecosystem b
Ecosy	stem a
Ecosy	stem b

13. Complete the table.

	DESERTS	TUNDRA	TROPICAL RAINFORESTS
climate			
flora			
fauna			

14. Match the plant species to the ecosystems

- 1. grasses
- a. tundra
- 2. lichens
- b. forest

3. cacti

c. savannah

4. orchid

- d. tropical rainforest
- 5. pine trees
- e. desert
- 6. wildflowers
- f. steppes
- 7. small shrubs
- g. prairies

- 1. ____
- 2. ____
- 3. ____
- 4. ____
- 5. ___
- 6. ___
- 7. -

15. Match the following organisms to their ecosystems.

- 1. oyster catcher
- a. rocky shores
- 2. sea anemone
- b. open ocean

3. otters

c. lake

4. sharks

d. sandy beaches

5. ducks

e. rivers

- 1. ____
- 2. ____
- 3. -
- 4. -
- 5. ____

16.	Complete	the se	entences	with	the	words	from	the	box I	below.
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eagles freshwater flowing rainforests lakes greenhouses man-made sunlight

- a. Mediterranean forest fauna includes ______, foxes, lynx, hawks and rabbits.
- b. Lakes and ponds are _____ aquatic ecosystems.
- c. Rivers and streams are ______ freshwater ecosystems.
- d. Rocky shores are marine ecosystems in which ______ allows algae to grow.
- e. Warm temperatures all year are typical of _______.
- f. Ponds are smaller than _____ and don't have waves.
- g. Farmlands, _____ and parks are artificial terrestrial ecosystems.
- h. Aquariums are _____ aquatic ecosystems.

THINK

Answer the following questions. Use full sentences and be careful with your handwriting.

17. Look at the photographs and answer the questions.





Which terrestrial ecosystem is more diverse: forests or steppes? Explain.

18. A volcanic island has just formed. Can it be considered an ecosystem? Explain.



20. In some species, individuals sometimes look very different from one a	nother.
Can you think of a species that this is true for?	
21. Do you think the soil type is an important factor in terrestrial ec	osystems (
Why? Why not?	
, ,	

DID YOU KNOW?

Underwater Forests

Read the following text about underwater forests. Then, answer this question: What is kelp? How does it keep upright?



Just as there are tropical rainforests on land, there are also ocean forests known as kelp forests. These underwater forests can be found in all oceans, ranging from polar to tropical environments. They mainly consist of kelp, a

large brown algae that

can rapidly grow to more than 30 metres in height. Kelp anchor to the rocky oceans floor and grown towards the water's surface, looking for light. In order to keep upright, kelp have gas bladders which float in the water.

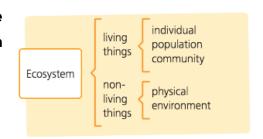


Kelp forests are some of the richest and most dynamic ecosystems on the planet. They are home to many other seaweeds, fish, molluscs, crustaceans, sea urchins and marine mammals, such as sea otters and seals.

Think. Why are kelp forests considered tremendously rich ecosystems?

LET'S WORK TOGETHER

✓ Work with a partner. Talk about the components of an ecosystem. Use the diagram to help you.



✓ Look at the pictures. What type of ecosystem do they show? Justify your answers



a.		
b.		
c.		

✓ Work with a partner. Read text you have been given and complete the corresponding information in the box. Then ask your friend about his/her text so you can complete the missing information in the other column. Finally, exchange the text and check all your information is correct.

	Timanfaya National Park	Picos de Europa National Park
name of the park		
location		
year founded		
landscape		
animals		
plants		

SHOW YOUR SKILLS

Choose ONE of the following projects

Deserts

Search the Internet for information about how lizards interact with the physical environment and other living things in deserts. Write a short story with illustrations.

Deep Sea

Search the Internet for information about creatures of the deep sea. Prepare a presentation.

World deserts and Rainforests

Find out the names of the biggest deserts on Earth. Locate them in the continents they are found in by colouring them in a world map. Now look for the world's main areas of rainforests. Use another colour to locate them in your world map. Why do you think it is so important to protect and preserve rainforests?

Timanfaya

In 1974, the volcanic area of Timanfaya in Lanzarote (Canary Islands) became a national park. Even though there has been no volcanic activity since 1824, the park has an amazing volcanic landscape. There are different species of animals in the park such as Canarian Shrews, geckos, Atlantic lizards, sea hawks and Barbary falcons. There are no trees because the park is very dry, however there are more than two hundred other plant species, including lichens and mosses, which can survive in such difficult conditions.

Picos de Europa

The Picos de Europa National Park, established in 1918, was the first national park in Spain. It is located in northern Spain, only 20 kilometres inland from the coast. Its climate is humid and rainy due to the proximity of the sea. The park has a mountainous landscape, with more than 200 peaks higher than 2000 metres. The park is home to a great variety of animals, such as the wood grouse, the bearded vulture, the chamois and the Iberian brown bear. Plant species include beeches, pine trees and hazels.