

Ecology & the Environment

Ecosystems Classification & Adaptation Cells

Ecology & the Environment - Big Book

		R	ead	ing	Coi	r>r	ehe	nsic)n	
	Skills For Critical Thinking	Section 1	Section 2	Section 3	Se ion 4	ection 5	Sectio. 6	7 uoi.	Section 8	Hands-On Activities
LEVEL 1 Knowledge	 List Details/Facts Recall Information Match Vocab to Definitions Define Vocabulary Label Diagrams Recognize Validity (T/F) 	\ \ \ \	1111	× × × ×	111111111111111111111111111111111111111	>>>>	\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	>>>>>	>>>> >	<i>\</i>
LEVEL 2 Comprehension	 Demonstrate Understanding Explain Scientific Causation Rephrasing Vocab Meaning Describe Classify into Scientific Groups 	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		/	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	> >>>	1111	1 11	\ \ \ \ \	√ √
LEVEL 3 Application	 Application to Own Life Model Scientific Process Organize & Classify Facts Use Alternative Research Tools 			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	\ \ \ \ \ \	> > >	✓ ✓	1	< < < <	< < <
LEVEL 4 Analysis	 Distinguish Roles/Mean gs Make Inferences Draw Conclusion Based on Facts Prograed Classify Based on Facesearched 	1111	111	111	\ \ \	> > >	111	\ 	\ \	<i>\ \</i>
LEVEL 5 Synthesis	 Compile Research Information Design & Application Create & Construct Imagine Self in Scientific Role 	>>>>	>>>>	>>>>	>>>>	>>>>	\ \ \ \ \	> > > > >	>>>>	> >
LEVEL 6 Evaluation	 State & Defend an Opinion Justify Choices for Research Topics Defend Selections & Reasoning 	1	/ /	✓ ✓	> > >	/	/ /	/	>> >	√

Based on Bloom's Taxonomy







Ecosystems

1. Fill in the blanks using a word from the list below. You may use a dictionary to help.

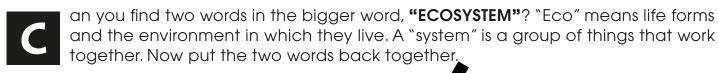
system	environment	balance	ecosystem	biotic	abiotic
a) The w	ord	de	scribes grou o	f things the	at work and
live to	gether in an enviro	onment.			
b) Some	thing that is living is	s described as	being		
c) A		is when al	I parts of a system	n work and	live
happi	ly together.	_			
d) A grou	up of things that w	ork togethe s	ca ed a		
• NA/Is = :=		de er for er			
•	something is not liv				
t) the wr	nole area surroundi	ng som	or so, offning is co	alled their	
List FIVE	things that live	in each of	Mese places:		
Raiı	nforest	dello	Handful of S	oil Pl	anet Earth
			-		
	······	~~~~	~~~~~	~~~	~~~~
$\sim\sim$					
// Imaaine	vou are stranded i	n the middle o	of a desert. Descri	be two livii	na thinas
•	you are stranded i non-living things th			be two livii	ng things
•	•			be two livii	ng things







What Is an Ecosystem?



An **ecosystem** is a group of things that work and live logether in an environment. An example of an ecosystem is a rainforest, a pond, a city a even our Earth!

What Is an Ecosystem Made Of?

Everything we see can be put into two groups. If you look around, you will see both biotic and abiotic things. Biotic describes something that is fing or was once alive. Biotic things include frogs, leaves, dead trees and a man Abiotic means everything else that is not living. Abiotic things include the cars, a new puters, and gold.



Describe your own sample of an ecosystem.
What BIOTIC and ABIOTIC things would you find in your ecosystem?

A Dw Lan Ecosystem?

be as small as a puddle! Plants and animals live in expected steems. Things that are too small to see also live in cosystems. Everywhere you look, you can find an ecosystem.

Even a handful of soil is an ecosystem. There are many things living in soil. You may think that soil is just dirt. If you looked closely, you would find worms, bugs, sand and many more things. They are all part of the soil's ecosystem.

All parts of an ecosystem work and live together. They are just like people who live in the same neighborhood or city. Humans have jobs and so do things in an ecosystem. They need to work together to live and be happy. This makes the ecosystem balanced. Without a balance, the ecosystem will not work!







Ecosystems

- 1. Draw a straight line from the word on the left to its definition on the right. Which word is left over? Use the reading passage or a dictionary to help you write out its definition.
- system

2 biotic

ecosystem

4 eco

5 abiotic

Describes something that is not living, for example, a combuter

Looks at life terms and the environment where they live

A group things the work together

Describes omething that is living, for example, if frog

E

C)

D)

2. Circle T if the statement's TRUE or F if it is FALSE.

If it is false, <u>rewrite</u> the <u>sentence</u> to make it true.

- T F a) Everything to se around us is living.
- T F b) An expression of the works if there is a balance and all parts work and live to the control of the contr
- **F** c) A desert, a product, a jungle and our planet Earth are all examples of ecosystems.
- **T F d)** A handful of soil is too small to be called an ecosystem.
- **T F e)** A dead tree is an example of an abiotic thing.