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SCIENCE: TASK 7 (Answer key)

Hello 5th graders!! =)

It is time to **CORRECT** last week task!

Any **questions**? Please, don't hesitate to ask us via **email**. We will be happy to hear from you:

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What's the biosphere?

Exercise 1 : Read and answer number 1 below.

Living things: cactus, penguins, fox, trees / Non-living things: ice, water, soil, clouds

What's the biosphere?

The **biosphere** is all of the ecosystems on the Earth. It includes the oceans, the land, the atmosphere and all the living things on the planet.

GETTING STARTED

- 1 Describe this ecosystem to a partner. What living and non-living things can you see?



Habitat

The place where a population lives is called its habitat. There can be many habitats in a single ecosystem. Sometimes living things can share a habitat. For example, different populations can all live in the same desert habitat at the same time.



Biome

An ecosystem that has several types of habitat is called a biome. For example, prairie ecosystems in Africa are called savannahs. Various habitats are found in savannahs. Some parts of the savannah have grasses and bushes. In other parts, trees can be found. Areas with ponds and small lakes form habitats for aquatic animals and plants.



SCI-FACT

Some vultures fly 10 km above the Earth's surface! Some microscopic organisms live far below the Earth's surface. As a result of facts like these, scientists think the biosphere extends up about 10 km into the atmosphere and down about 10 km below the surface of the Earth!



Biosphere

The biosphere is the biggest known biome. It includes all of the habitats on Earth.



Exercise 2 : Read and do exercise 2 below.

Many populations of animals can live in an ecosystem. Some of them share habitats. For example, in a rainforest ecosystem, the immediate habitat of leafcutter ants includes the soil where they build their ant hill. However, their habitat extends to the surrounding trees where the ants collect their food. The habitat of toucans includes the treetops where they live and feed. Their habitat doesn't include the soil because they don't visit that part of the rainforest.



2 Complete the definitions in your notebook.

a) Habitats ...

b) The biosphere ...

c) Biomes ...

1. ...are ecosystems with several types of habitats.

2. ...are places where individual populations live.

3. ...is the part of the Earth where there are living things.

a) 2

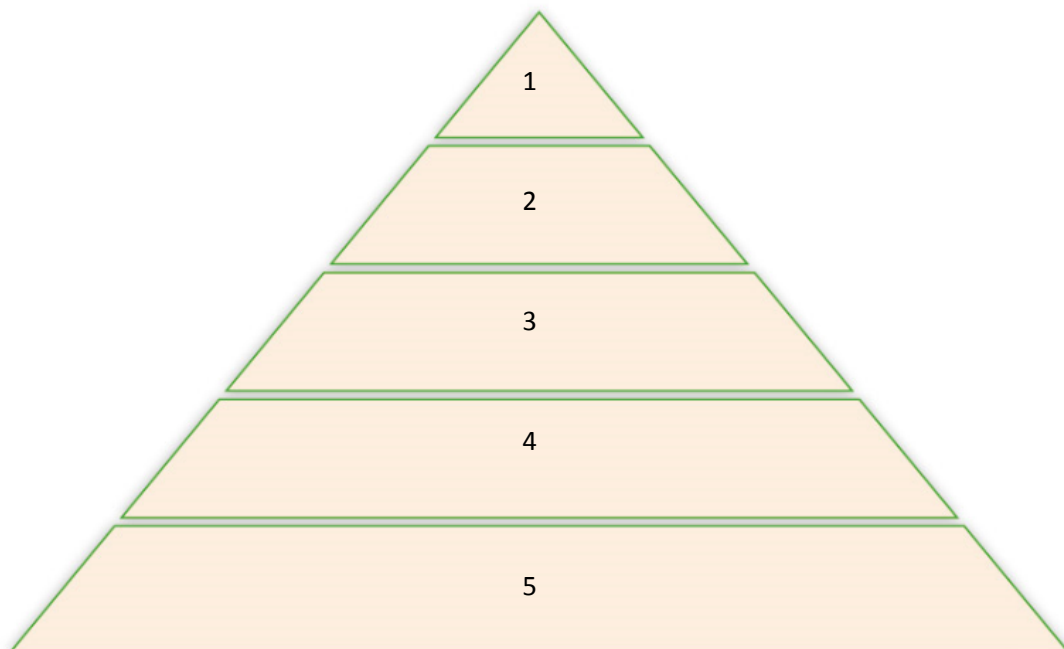
b) 3

c) 1

Exercise 3 : do exercise 7 below.

7 Complete the diagram from the smallest to the largest, then draw examples at each level.

community • biome • biosphere • habitat • population



1. population 2.habitat 3.community 4.biome 5.biosphere

Why do ecosystems change?

Exercise 3 :

2 Complete the sentences in your notebook.

- a) Human activity causes the destruction of habitats or entire ecosystems which leads to the extinction of many species.
- b) Pollution and overfishing are changes which affect marine ecosystems.
- c) Fires and deforestation are changes which affect forest ecosystems.
- d) The chaparral ecosystems is an example of natural changes in ecosystems.

Exercise 4 :

9 Write descriptions of the pictures, then classify them in the table.



a) **Eruption**



b) **Forest fire**



c) **Leave rubbish**



d) **Pollution**

| Human activities |
|------------------|
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| |
| |
| Natural changes |
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| |
| |
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| |

Human activities: forest fire

Natural changes: eruption

leave rubbish

pollution

Exercise 5:

10 Give the texts their correct titles, then add a sentence of your own.

overfishing • deforestation • forest fires • pollution

Forest fires _____

When trees and other vegetation burn, ecosystems which are home to _____

Overfishing _____

Too much of this activity in the ocean, to get food for human _____

Pollution _____

When dangerous chemicals from cars and other human activities are released into rivers, the air and the soil, _____

Deforestation _____

Cutting down trees for wood or paper, or farmers cutting down trees to have more land, is _____

Forest fires: ...animal or plant species can be destroyed.

Overfishing : ...changes in the food web of marine ecosystems.

Pollution : ...animals lose their habitats and may become extinct.

Deforestation : ...the cause of the destruction of the natural forest ecosystem.

Exercise 6 :

1.-In picture 1, we can see pollution. This happens because people throw the tins plastic on the ground, not in the plastic container.

2.-In picture 2, we can see pollution too. This happens because people throw petrol in the water, not in the oil drum container.