

Exercise	Mark
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# Homework

## ACfE Science

### Biology 4

## Life On Earth

Name \_\_\_\_\_

Class \_\_\_\_\_

Teacher \_\_\_\_\_

1(a). List the three main nutrient needed for plant growth.

Nutrient 1 - \_\_\_\_\_

Nutrient 2 - \_\_\_\_\_

Nutrient3- \_\_\_\_\_

(3)

(b). State which part of a plant is affected by each nutrient .

Nutrient 1 - \_\_\_\_\_

Nutrient 2 - \_\_\_\_\_

Nutrient3- \_\_\_\_\_

(3)

3(a). Name a general purpose balanced fertiliser that is available in both granular and liquid form.

\_\_\_\_\_ (1)

(b) What are the advantages of using a granular fertiliser compared with a liquid fertiliser.

Advantage 1 - \_\_\_\_\_ (1)

Advantage 2 - \_\_\_\_\_ (1)

4. Describe two effects of climate change

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(2)

5. Name the gas that is produced when fuels burn

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(1)

6. Fill in the blanks using the following word bank

oil, carbon dioxide, air, coal, oxygen, energy

Fossil fuels like \_\_\_\_\_ , \_\_\_\_\_ and natural gas contain the substance \_\_\_\_\_. When they are burned they release \_\_\_\_\_ which can be used to generate electricity. Fuels need \_\_\_\_\_ to burn. They get this from \_\_\_\_\_ around them. (3)

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7. List the five basic needs for humans to live .

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(5)

Exercise	Mark
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# Homework

## ACfE Science

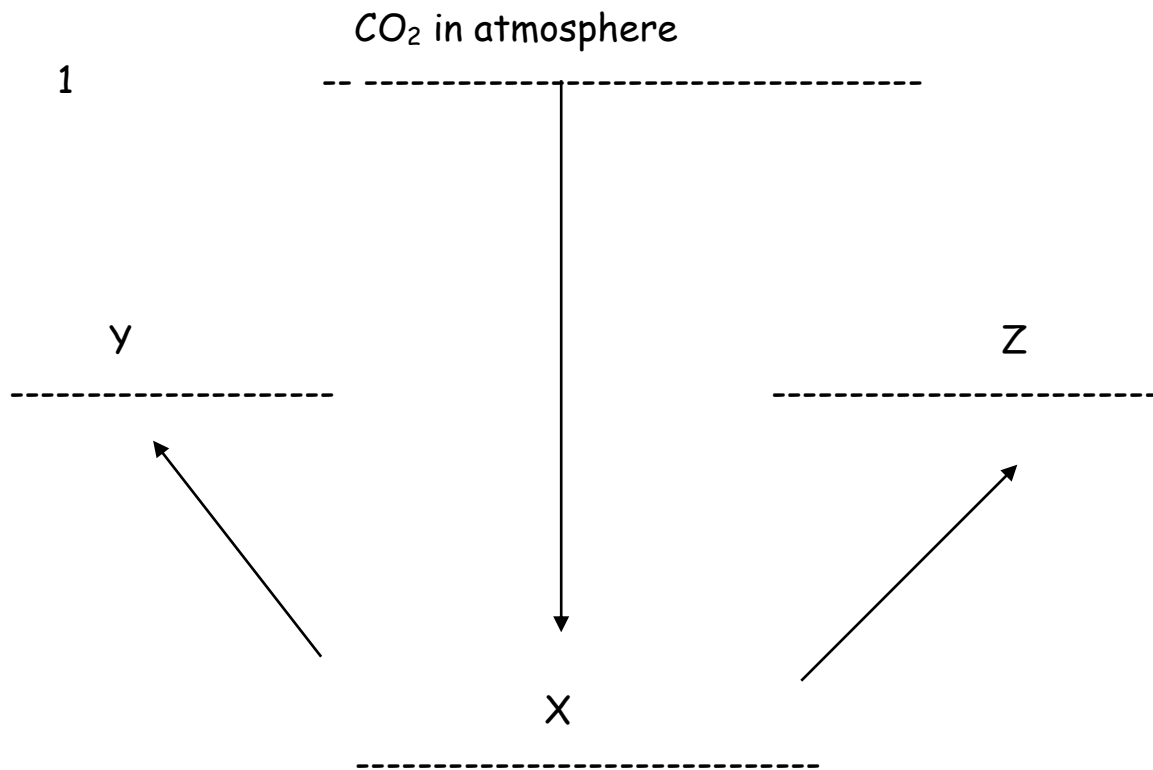
### Biology 4

## Life On Earth

Name \_\_\_\_\_

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This is a diagram of the Carbon Cycle

a) What type of living organism is X ? \_\_\_\_\_ 1)

b) The process for which it needs the CO<sub>2</sub> is \_\_\_\_\_ 1)

c) Possible separate labels for Y and Z might be

Y \_\_\_\_\_ Z \_\_\_\_\_ 2)

d)

Complete the diagram by drawing appropriate arrows to connect Y and Z to CO<sub>2</sub> in the atmosphere 2)

2)

Fill in the missing words

Indicator Species are organisms which can give us an idea of the level of pollution by their \_\_\_\_\_ or their \_\_\_\_\_.

A plant which is a good indicator of the level of air pollution by \_\_\_\_\_ gas is lichen.

Apart from harming plants, this gas also causes damage to \_\_\_\_\_.

If trout are seen swimming in a lake this would indicate a \_\_\_\_\_ level of pollution in the water.

5)

3)

When there is a very low number of a certain Species across the World then it may be called an \_\_\_\_\_ Species.

If the decline continues the organism may become \_\_\_\_\_

2)

4)

List and explain 3 ways in which people can prevent the problem described in Question 3) happening to more Species.

7)