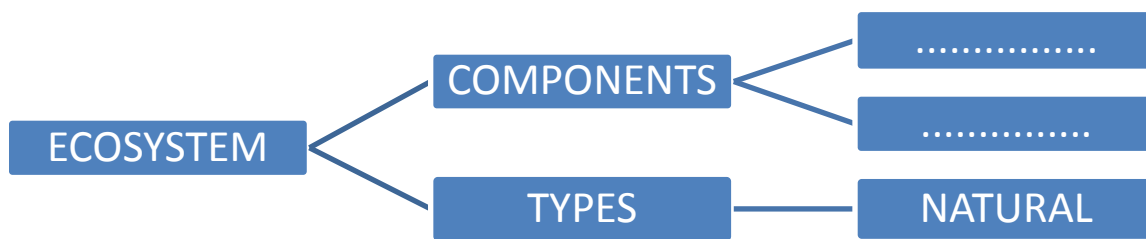




INDIAN SCHOOL AL WADI AL KABIR

Class: X	Department: SCIENCE - 2020 -2021	Date of completion: 16.04.2020
Worksheet No:1 (B) Note: A4 FILE FORMAT [PORTFOLIO]	Topic: Biology - Our Environment (OBJECTIVE TYPE)	CHECKED BY : HOD - SCIENCE
NAME OF THE STUDENT	CLASS /SEC:	ROLL NO.

1. Complete the following graphic organiser:



2. Choose the right answer from options given:

i) Interconnected food chains constitute a:

- a) trophic level b) food web c) bioaccumulation d) integrated food habit

ii) Bacteria and fungi are:

- a) producers b) secondary consumers c) decomposers d) primary consumers

iii) Each step in a food chain is called:

- a) Producer b) trophic level c) food web d) consumer

iv) Accumulation of chemicals in higher trophic levels is called:

- a) Biological degradation b) Decomposition c) Biological magnification d) Eutrophication

v) World environment day is celebrated on:

- a) July 5 b) June 1 c) July 1 d) June 5

3. Read the following passage and answer the questions that follow:

Abiotic factors refer to all the non-living chemical and physical factors present in the atmosphere, hydrosphere, and lithosphere. Sunlight, air, precipitation, minerals, and soil are some examples of abiotic factors. These factors have a significant impact on the survival

and reproduction of species in an ecosystem. For instance, without an adequate amount of sunlight, autotrophic organisms may not be able to survive. When these organisms eventually die, it will create a shortage of food for primary consumers. This effect cascades up the food chain, affecting every organism. Consequently, it leads to an imbalance in the ecosystem.

i) Give example for any two abiotic factors that you find in your school.

ii) The shortage of food for primary consumer occurs when:

- a) Autotrophs are removed from a food chain
- b) Decomposers are removed from a food chain
- c) chemical concentration increases in a food chain
- d) none of the above

iii) Which of the following is not an example for abiotic factor:

- a) rain
- b) salinity
- c) biodiversity
- d) humidity

iv) How can abiotic factors affect organisms in an ecosystem?

3. For the following questions, two statements are given—one labelled Assertion (A) and other labelled reason (R). Select the correct answer to the questions from the options (a), (b), (c), (d) as given below:

(a) Both A and R are true and R is the correct explanation of the assertion.

(b) Both A and R are true but R is not correct explanation of Assertion.

(c) A is true but R is false.

(d) A is false but R is true.

i) Assertion : Energy flow in a food chain is unidirectional.

Reason : Food is the energy source for consumers.

ii) Assertion : ODS are harmful to all organisms.

Reason : Ozone is a poisonous gas for inhalation.

iii) Assertion : Fungi are natural cleansers.

Reason : Decomposers break down dead remains into nutrients of soil.

iv) Assertion : CFCs affect ozone layer.

Reason : UV rays react with CFCs releasing free chlorine and fluorine.

v) Assertion : Ecosystem consists mainly of abiotic factors.

Reason : Soil is the abiotic component of ecosystem.

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