Part A- 1

1. How do fungi obtain their food?

1. They find their own food.
2. They make their own food.
3. They take in mineral salts from the soil for food.
4. They depend on other plants and animals for food.

 2.Three organisms are shown below.



These organisms can be grouped together because \_\_\_\_\_\_\_\_\_\_\_\_.

A: they can die
B: they can grow
C: they can make their own food
D: they can move from place to place on their own

1. A and B only
2. B and D only
3. A, B and D only
4. A, B, C and D

3. The graph below shows the population of lions and plants in a forest over many years.



(a) What do you notice about the population of lions after Point B?

(b) Do you think the plant population has an effect on the population of lions? Explain your answer.

4. The food web below shows seven populations of organisms living in a community.



(a) Based only on the food web above, fill in the table below with the appropriate letters, A, B, C, D, E, F and G.

|  |  |  |
| --- | --- | --- |
|  | **Type of organism** | **Letter(s)** |
| i | Food producer |  |
| ii | Herbivore |  |
| iii | Carnivore |  |
| iv | Omnivore |  |

(b) Using the following information, add in organism H in the food web above.

(i) Organism H is an omnivore.
(ii) When the population of Organism H increases, the population of Organism decreases.
(iii) When the population of Organism H decreases, the populations of Organism A and C increase.

5. Define the following:

Food chain

Food web

Adaptation

Ecology

6.

 

 Based on the food web above, name

                   (i)  a food producer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

                   (ii) a predator : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What will happen if the number of guppy fish decrease in number write any two effects

7. Write any 4 adaptations of the following:

Cactus

Camel

Giraffe

African elephant

Bats