

Biology

Item 1

Peter has a cat and a flower plant which are all living organisms. One day, Peter covered some of his flower plants with a carpet and for some he instead poured oil remains of his vehicle on their leaves. Both groups of plants dried over time. His cat got an infection on the ears and eyes. One day his cat was knocked down by a car as it crossed the road.

Task.

- a. Mention the life processes affected in the two organisms.

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- b. Explain how the affected life processes lead to death of the organisms

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- c. Compare how the two organisms show the named life processes

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Item 2

Mr. Zzingo and residents of his village have been used to buy and drink certain herbal medicine that is not certified by UDA to treat body fatigue. However, after sometime, all those individuals who used to the medication got paralyzed and some anemic, some have walking difficulties while others are frequently getting infections.

Task

- a. Identify the cells affected in different people of this village.

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- b. Explain how the medicine caused their challenges

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- c. How can such challenges be overcome in this village?

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Section B

Item 3

Peter collected water from the pond and drunk it. He continued with this habit for some days. After sometime, he started complaining of diarrhea, headache, fever and stomach pain.

Task

- Identify the organisms you suspected affected the health of Peter and their characteristics.
- Explain how these organisms affected the normal functioning of Peter's body.
- How can Peter overcome such challenges?

Item 4

In Najjembe village, people are harvesting plants for timber, fuel to use both at home and in industries. This has led to reduced plant population in the area. Now they are experiencing increased temperature, poor crop yields, rampant attacks from monkeys and baboons which destroy their crops in the gardens, there is increased malnutrition among children who used to visit the forest.

Support material



Task

- Identify the organisms affected above by giving their classes and characteristic features.
- Explain how these actions of people have led to the challenges they are facing.
- What should be done to overcome these challenges.

END