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## Answer sheet

\*\*\* Students should read the book first.

**1.**

- a) Loose
- b) Landfill
- c) Plants
- d) Trash
- e) Rotating
- f) Inorganic
- g) soil fertility
- h) Organic
- i) soil pollution

**2.**

- a) iv. Cow dung
- b) ii. Soil
- c) iv. Fertilizer
- d) i. Littering trash
- e) ii. Rotating the crop

**3.**

- 1.(a+iv) causes of soil pollution – littering garbage
- 2.(b+v) Prevention of soil pollution – putting garbage in specific place
- 3.(c+i) soil fertility – crop rotation
- 4.(d+ii) Effects of soil – destruction of the nature
- 5.(e+iii) soil conservation – protection of soil from erosion.

**4.**

- a) Plants and animals use soil as their habitat.
- b) Animals eat plants to get energy.
- c) Soil provides necessary water and nutrients for plants.

- d) Landfills are areas where garbage is placed in the land.
- e) Plants need nutrients to grow and thrive.
- f) Soil fertility is the capacity of soil to grow crops.
- g) There are two type of fertilizer.
  - 1. Organic fertilizer: Example: cow dung and compost.
  - 2. Inorganic fertilizer: Example: urea and TSP
- h) The contamination of soil with harmful substance is called soil pollution.
- i) Soil pollution reduces soil productivity.
- j) A protection of soil from erosion, or the maintenance of soil fertility is called soil conservation
- k) Soil erosion occurs when top soil is removed by wind and water.
- l) Plants play an important role in preventing soil erosion by their roots. We can prevent soil erosion by planting trees, and growing grasses on land.

## 5.

### a) Importance of soil:

- Plants and animals use soil as their habitat.
- Plants get nutrient from soil.
- Animals can grow their food on soil.
- People use soil in their life in different ways like making buildings and crafts etc.

### b) There are different uses of soil. Some of them are given below:

#### ➤ Agriculture:

- Soil is used for growing plants
- It provides necessary water and nutrients for plants.

#### ➤ Buildings:

- People make houses and buildings on soil.
- Soil can be used for making buildings materials such as bricks or concrete.

#### ➤ Arts and crafts:

- It can be used for making pottery that can create kitchen goods such as pots, vases, bowls etc.

- It is also used for making artwork for interior decoration and for exhibition.

➤ Landfills:

- Soil is used for filling up the uneven lands.
- It is also used to bury garbage.

c) The ways to maintain soil fertility:

1. Using fertilizer: fertilizer can help soil to restore lost nutrient and enhance the plant growth.
2. Rotating crops: crop rotation helps to maintain soil fertility. Example: beans help put nutrients back into soil.

d) Causes of soil pollution:

1. Littering garbage: throwing garbage anywhere or littering garbage such as domestic waste or polythene on the land.
2. Using pesticide: the use of pesticide or herbicide for agricultural activities increasing soil pollution.
3. Unorganized factories waste management: leakage of oil or harmful materials from factories to the land.

e) Some good practices that we can do to prevent soil pollution are given below:

1. Waste management: we should follow or maintain a better waste management processes to reduce soil pollution.
2. Recycling product: we should reuse, or recycle something that we can use further more.
3. Using organic fertilizer: we should use organic fertilizer such as composts in the crop field.