

Soil

Q1. List the differences between clayey soil and sandy soil.

Ans.

<u>Clayey soil</u>	<u>Sandy soil</u>
1. Clay particles are much smaller.	1. Sand particles are quite large.
2. Clayey soils tend to be heavy as they hold more water than the sandy soils.	2. Sandy soils tend to be light as water drain quickly through the spaces between the sand particles.
3. Clay particles pack tightly together, leaving little space for air.	3. They cannot fit closely together, so there are large spaces between them. These spaces are filled with air.
4. Clayey soil is more fertile compared to sandy soil.	4. Sandy soil is less fertile compared to clayey soil.

Q2. Explain how soil pollution and soil erosion could be prevented.

Ans. Steps to prevent soil pollution

- i. The polythene bags and plastics should be banned.
- ii. Waste products and chemicals should be treated before they are released into the soil.
- iii. The use of pesticides should be minimised.
- iv. Use of organic manure, fertilizers, and milder pesticides for agricultural activities should be encouraged.

Steps to prevent soil erosion

- i. Planting more and more trees.
- ii. Terrace farming.
- iii. Retaining walls can be built around the area of erosion to prevent water run-off.
- iv. Making people aware of pros and cons of deforestation.