



**CREST**  
*Olympiads*  
#CRESTInnovator

# CREST Science Olympiad (CSO) Worksheet *for*

**Class 4**



**Topic**

**Types of Soil**



@crestolympiads



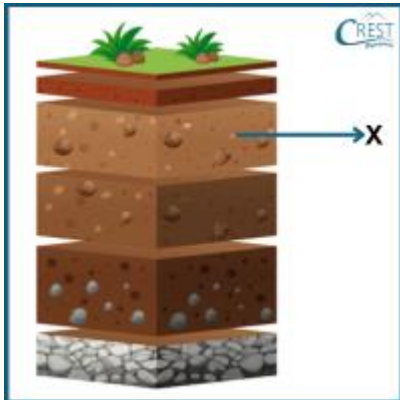
info@crestolympiads.com



+91-98182-94134

## Worksheet on Types of Soil

1. How does the layer “X” of soil depicted in the image contribute to supporting the growth of plants?



- a. Topsoil provides structural support for plants.
- b. Topsoil is rich in organic matter and nutrients.
- c. Subsoil stores water for plant use.
- d. Subsoil is rich in organic matter and nutrients.

2. Select the odd one out.



c.



d.



3. In an experiment to test the water-holding capacity of different soil types, which soil type would likely have the least amount of water after some time?
- Sandy soil
  - Clayey soil
  - Loamy soil
  - Rocky soil
4. What can happen to the land when soil erosion occurs?
- The land gains essential nutrients
  - The land becomes flat and even
  - The land experiences increased rainfall
  - The land becomes less fertile
5. Sansa wants some soil for her kitchen garden that has the highest amount of nutrients available for plant uptake. Select the suitable soil for her from the following options.
- Sandy soil
  - Clayey soil
  - Loamy soil
  - All soil types have the same amount of nutrients.

## Answer Key

1. b - Topsoil plays a crucial role in supporting plant growth by providing the necessary nutrients and minerals that plants need to thrive.
2. c - Styrofoam is a non-biodegradable substance whereas cardboard, jute bag and wooden utensils are biodegradable substances.
3. a - Sandy soil is composed of small, fine-grained particles that are loosely packed. These particles allow water to easily pass through the soil, resulting in poor water-holding capacity. The water quickly drains away, leaving less moisture in the soil.
4. d - When soil erosion occurs the topsoil gets carried away by wind or water. When this layer is lost, the land becomes less fertile, making it challenging for plants to grow and thrive.
5. c - The presence of humus in loamy soil contributes to its high nutrient content, making it ideal for plant growth.

**More Questions Coming Soon – Keep Learning!**





# Difference between Ordinary & Extra-Ordinary is that "Little Extra"

## Discover Our Ultimate Prep Kits!

### Buy Previous Years Papers

1. Login at [www.crestolympiads.com/login](http://www.crestolympiads.com/login)
2. Go to Dashboard -> Additional Practice -> Buy



### Buy Physical & Digital Workbooks at

<https://www.crestolympiads.com/olympiad-books>



### Buy Additional Practice

1. Login at [www.crestolympiads.com/login](http://www.crestolympiads.com/login)
2. After login, go to Dashboard -> Additional Practice -> Buy



@crestolympiads



info@crestolympiads.com



+91-98182-94134