

CREST Science Olympiad (CSO) Worksheet *for* Class 3



Topic
Soil



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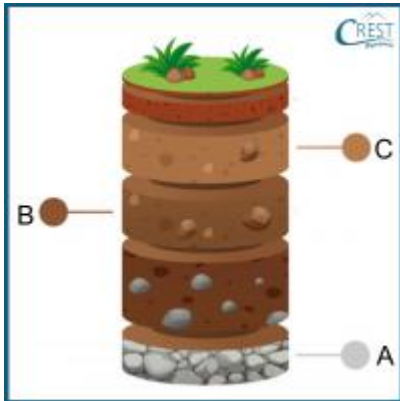
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Worksheet on Soil

1. Identify the soil layers A, B, and C in the following diagram.



- a. A: Topsoil, B: Subsoil, C: Bedrock
- b. A: Bedrock, B: Subsoil, C: Topsoil
- c. A: Subsoil, B: Topsoil, C: Bedrock
- d. A: Hummus, B: Topsoil, C: Subsoil

2. Roy wants to grow a plant that prefers well-drained soil. Which type of soil would be most suitable?

- a. Sandy soil
- b. Clayey soil
- c. Loamy soil
- d. Any type of soil can work

3. Fill in the blank.

The main component of humus is _____.

- a. rocks and minerals
- b. sand particles
- c. decayed plant and animal matter
- d. clay particles

4. You conducted an experiment to test the water-holding capacity of different soil types. After pouring the same amount of water on sandy soil, clayey soil, and loamy soil, which soil type would likely have the most water remaining after some time?

- a. Sandy soil
- b. Clayey soil
- c. Loamy soil
- d. All soil types will have the same amount of water remaining

5. Match the following:

	Column I		Column II
1.	Loamy Soil	A.	Consists of very fine particles that stick together
2.	Sandy Soil	B.	Considered the best type of soil for plants
3.	Clayey Soil	C.	Allows water to pass through easily

- a. 1:B, 2:A, 3:C
- b. 1:C, 2:A, 3:B
- c. 1:A, 2:C, 3:B
- d. 1:B, 2:C, 3:A

Answer Key

- 1. b - A: Bedrock, B: Subsoil, C: Topsoil.
- 2. a - Sandy soil has good water drainage due to its porous nature, allowing excess water to move through it quickly.
- 3. c - Humus is primarily composed of decayed plant and animal matter. It is formed through the decomposition of organic materials over time.
- 4. b - Clayey soil has smaller particles allowing it to hold more water compared to sandy soil or loamy soil.
- 5. d -
Loamy Soil: Considered the best type of soil for plants.
Sandy Soil: Allows water to pass through easily.
Clayey Soil: Consists of very fine particles that stick together.

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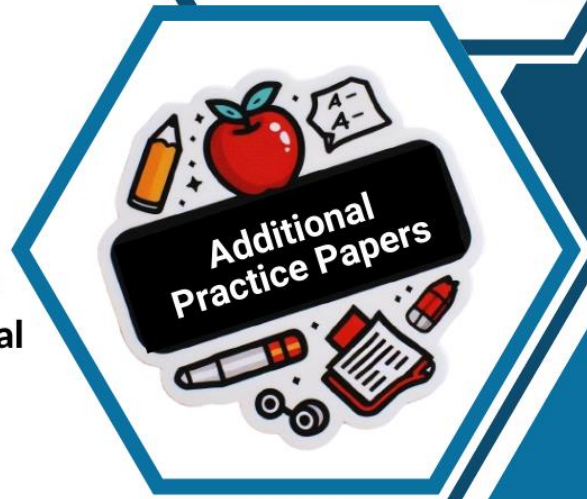
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