

MINISTRY OF EDUCATION
SECONDARY ENGAGEMENT PROGRAMME
INTEGRATED SCIENCE
GRADE 9

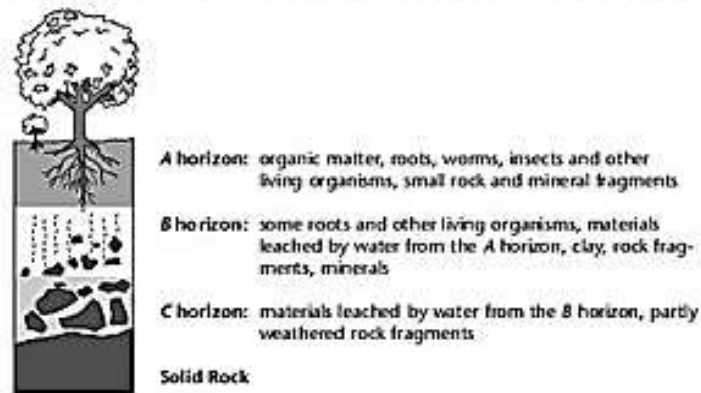
Week 11

Lesson - Worksheet

Soil organisms and soil

Answer all questions using the diagram provided below.

Use the diagram of a soil profile to answer Questions 1-5 on the lines provided. Then answer Questions 6 and 7.



1. What soil layers contain the most humus?
2. How far into the soil do plant roots extend?
3. Where in the soil profile are worms and insects breaking down organic matter in the soil?
4. Where in this soil profile are solid rocks being weathered?
5. What is the name of the process by which water carries materials from the upper horizon down to the lower level?
6. What factors in an area help to determine the type of soil – the thickness of the layer and their composition?
7. Choose a factor from question six and explain how it can affect the soil in an area.

State whether the following statements are **TRUE/ FALSE**.

8. Soil organisms are very harmful to the soil.
9. All soil types can hold water.
10. Humus is the first layer in the soil.

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Worksheet - Answers

Soil organisms and soil

1. Horizon A
2. Horizon B
3. Horizon A
4. Horizon C
5. Leaching
6. Presence of wind, rain, improper farming practices and water
7. Water- too much water can remove pieces of soil and transfer them to other locations.
8. False
9. True
10. True