

Weekly assessment



Integrated Sciences



2025

Week
10

1st Year
secondary

Prepared and reviewed by
Science Development Office

Ch 3: The soil
Lesson (2) : The effect of human practices on soil

Week (10) Assessment

Q1: Give Reason

- 1) plants grown in compacted soil have difficulty obtaining water and nutrients

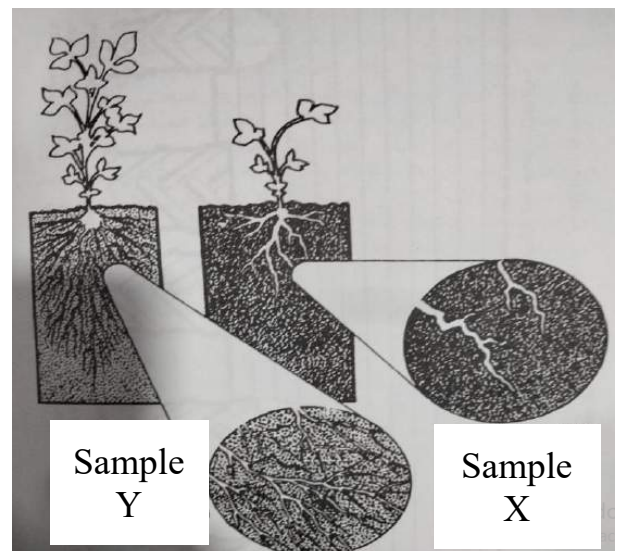
- 2) plants grown in compacted soil have unhealthy growth.

- 3) plants grown in compacted soil have poor crop yields

- 4) The salinity of the soil increases due to flood irrigation
The salinity of the soil increases due to repeated irrigation of the soil over time

- 5) Use the “no-till farming” technique.

Q2: The figure shows two different of soil Samples, one of them is a compacted soil and the other is not.
Which sample is the compacted one? Explain



Q3: What are the consequences of the following phenomenon or practices?

The phenomenon / practices	
1) The soil compaction	
2) Flood irrigation of the soil 3) The repeated irrigation of the soil over time 4) Groundwater containing salts is transported to the soil surface by capillary action	
5) The industrial waste drainage	
6) contamination of agricultural soil with “gasoline” liquid in areas surrounding oil refineries	

Q4: Explain how industrial activities can negatively affect soil quality. Provide a practical example to support your answer.

Q5: Why is the excessive use of pesticides and chemical fertilizers harmful to the soil?

How can we reduce this negative impact?

Q6: Suggest one agricultural practice that can be used to protect the soil from Degradation

Q7: Show two from the ways of soil conservation.