



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) Homework

Q1: Choose the correct answer

- 1) The soil compaction leads to:
 - A. the formation of hard, petrified layers beneath the soil surface
 - B. reducing the soil ability to absorb water and air
 - C. the soil hinders the growth of plant roots and leads to poor agricultural yields
 - D. All the previous

- 2) Which of the following practices leads to the soil compaction?
 - A. The use of heavy agricultural machinery in agricultural areas excessively
 - B. Groundwater containing salts is transported to the soil surface by capillary action
 - C. The repeated irrigation of the soil over time
 - D. Flood irrigation of the soil

- 3) All the following practices leads to the increase in the soil salination **EXCEPT**
 - A. The use of heavy agricultural machinery in agricultural areas excessively
 - B. Groundwater containing salts is transported to the soil surface by capillary action
 - C. The repeated irrigation of the soil over time
 - D. Flood irrigation of the soil

- 4) One of the biggest mistakes in agriculture is aiming to grow a single crop on the same soil and repeat this for years in a row is
 - A. soil compaction
 - A. increase in the soil salination
 - C. increase in the soil efficiency and its fertility
 - D. causes the soil to be exhausted and lack some of the nutrients necessary for the plant to grow

- 5) High levels of lead and mercury in the soil has a toxic effect for:
 - A. plants only
 - B. animals only
 - C. human only
 - D. plants, animals and human

- 6) In agricultural areas that rely heavily on manufactured nitrogen fertilizers to increase crop yields, excessive contamination of the soil is observed
 - A. nitrate
 - A. iodine
 - C. lead
 - D. mercury

7) The figure shows a baby of Blue Baby Syndrome, as a result of drinking-contaminated water.

- A. mercury
- A. lead
- C. nitrate
- D. chlorine



8) All the following from the ways of soil conservation **EXCEPT**

- A. Sustainable agricultural practices
- A. Using crop rotation techniques
- C. Use the “no-till farming” technique
- D. Growing the same crop in the same soil for several consecutive times

9) All the following are sustainable agricultural practices **EXCEPT**

- A. organic farming
- B. use of natural fertilizers
- C. use of biopesticides
- D. use the “till farming” technique

10) **The use of petrochemical compounds to kill insects leads to:**

- Ⓐ Blue Baby Syndrome
- Ⓑ liver cancer
- Ⓒ accumulation of salts in the soil
- Ⓓ increase of heavy metals in the soil

11) **Growing a tomato crop in the same soil for several consecutive years leads to**

- Ⓐ impede the absorption of nutrients by the plants
- Ⓑ soil compaction
- Ⓒ lack of nutrients in the soil
- Ⓓ increase the soil salinity