name: class: date:

# Soil Science in Agriculture

1. Fill in the gaps with the right words!
2. Scan the QR code to check your answers interactively!
3. Copy the text in your exercise book!
4. Formulate the content of the text yourself!
   Use all gap words!

Soil is the foundation of _____. It supports plant life by providing _____, water, and physical support. In soil science, researchers study the composition and _____ of soil to improve crop _____. One key element is the soil's _____, which affects water retention and air circulation. Another important factor is the soil's _____, influencing nutrient availability. Soil scientists also examine the presence of organic _____, crucial for soil health and fertility. Additionally, the role of _____ in the soil ecosystem is significant, aiding in nutrient cycling and plant _____. The knowledge gained from soil science is applied to select the appropriate _____ for specific soil types, enhance soil fertility, and manage _____ practices efficiently. Furthermore, understanding soil _____ and its prevention is vital for sustainable agriculture. Through _____ conservation techniques, farmers can maintain soil _____, ensuring long-term agricultural productivity. This field of study is essential for facing challenges such as climate _____ and increasing global food _____.

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|---|---|---|---|---|---|---|
| texture | nutrients | structure | crops | yield | microorganisms | agriculture |
| health | irrigation | erosion | matter | soil | demand | change | pH | growth |

**Reference:** https://materials.school/educational-activities/task-collection/environmental-science/soil-science-agriculture (created with ChatGPT)