

Importance of Hydroponics – Answer Key

Take notes during the slide presentation:

Define hydroponics: method of growing plants in water without the use of soil

1. Limited Space:

In many locations, especially cities, there isn't always enough space or soil available to grow plants in the ground
Hydroponics allows people to grow gardens in limited space

2. Clean and Efficient

Hydroponics farming is a clean and efficient way to grow vegetables and other plants
Use in a closed environment for year-round growing

3. Solve food shortages and growing issues

Hydroponics farming can be used to solve food shortages, especially in areas where drought and famine are issues
Where weather conditions are unfavorable for large scale crop production, hydroponics can help overcome these weather variables

4. Increase growth rates and time to harvest

Water and nutrients are continually made available to the plant roots, allowing plants to grow at the fastest possible rate
It can reduce the time from planting to harvest by controlling the growing variables
Biosecurity and environmental factors can help to grow food more readily

5. Learn and experiment with new ways to grow plants

Test and experiment with the ability to adapt variables and make environmental changes easily
Challenge ideas and growing methodology to find better ways to grow food.