**JUNIOR SCHOOL**

**2024 QUESTIONS**

**Agriculture**

1. What is soil conservation?

[**soil conservation**](https://krishijagran.com/featured/soil-and-water-conservation-engineering-measures-for-treatment-of-arable-land-in-watershed/) refers to the protection and management of soil resources to prevent their degradation and promote sustainable land use practices.

1. Identify the primary threats to soil conservation
2. *Chemical contamination*
3. *Slash and burn*
4. *Land overuse,*
5. *Overgrazing, etc.*
6. Why is soil conservation a important?
7. Preserving Agricultural Productivity:
8. Protecting Ecosystems and Biodiversity:
9. Water Quality and Quantity:
10. Climate Change Mitigation
11. Mitigating Soil Erosion:
12. State effective methods and techniques for soil conservation.
13. Grass water ways
14. Stone lines
15. Trash lines
16. Bunds
17. Crop rotation
18. Contour Plowing:
19. Terracing:
20. Windbreaks:
21. Strip Cropping:
22. Conservation Tillage:
23. **Cover Crops:**
24. **Mulching:**
25. **Conservation Buffer Strips**
26. Identify the following soil conservation npractices

Contour Ploughing

Terracing

1. Name the following agricultural practice for conserving water.



Mulching

1. **Name five Benefits of Soil Conservation**
2. Sustaining Agricultural Productivity:  Preventing Soil Erosion:
3. Enhancing Water Quality:  Mitigating Climate Change:
4. Conserving Biodiversity and Ecosystems:
5. Improves soil quality and productivity
6. Optimizes water infiltration.
7. Provides food and shelter
8. State four techniques to apply in water harvesting for farming.
9. Shallow Water Pans

# Water Ponds

# Water Tanks

1. **Sand Dams**
2. **Grey Water Recycling**
3. **Contour Trenching**
4. **Fog Harvesting**
5. **Gutter Installation**
6. **Identify the following water harvesting techniques**



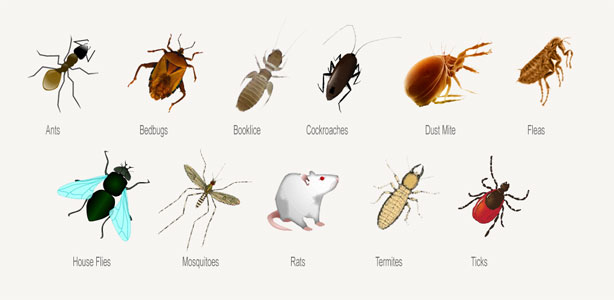
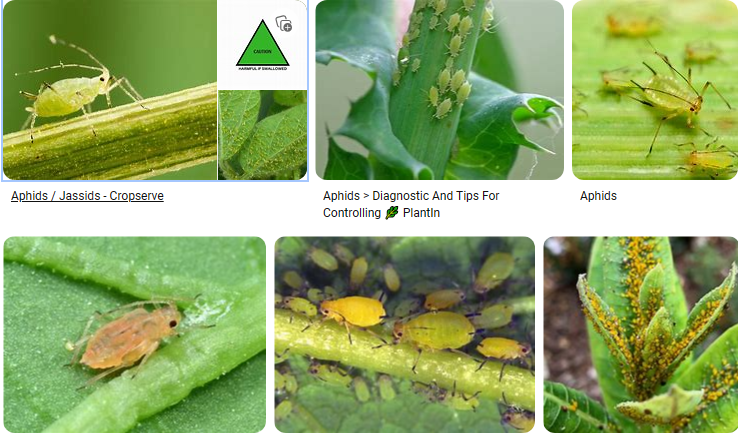
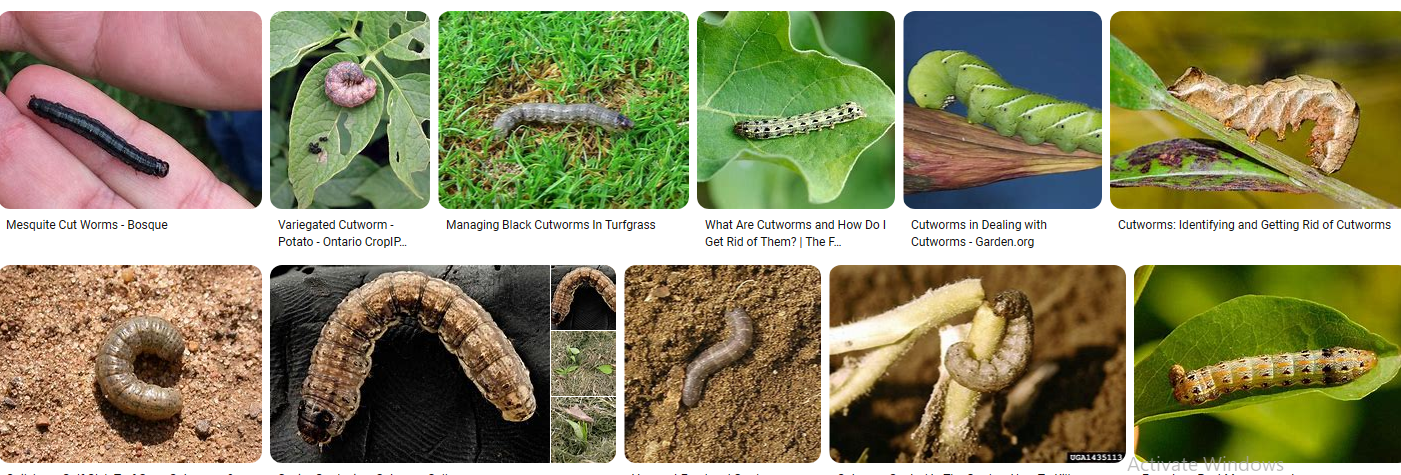


Contour Trenching Water Ponds Fog Harvesting

1. **Define**

**Square foot gardening** is the practice of dividing the growing area into small square sections, typically 1 foot (30 cm) on a side, hence the name.

1. Name the following pest



**Rat aphid cut worm**

1. **Name two Vegetables attacked by pests**
2. Kale
3. Spinach...
4. Tomatoes
5. Onions ...
6. Carrots ...
7. etc
8. Identify the farming tools below





Pair of gloves

Watering can

Wheelbarrow

Rake

Spade