Name_____ Date_____

# *Plant pH Preferences*

Using the pH Preferences Plant list, select 25 different plants. From the list, select 15 plants from the flowers and ornamentals section, 7 plants from the vegetables section, and 3 plants from small fruits section.
For each plant, determine its preferred pH and then color in the correct box indicated by the pH range listed at the top of the chart. Use different color markers for different pH ranges.

| Plant Name | **pH Preference (Range)** | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3.5 | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 6.5 | 7.0 | 7.5 | 8.0 | 8.5 |
| Flowers and Ornamentals | | | | | | | | | | | |
| 1. | | | | | | | | | | | |
| 2. | | | | | | | | | | | |
| 3. | | | | | | | | | | | |
| 4. | | | | | | | | | | | |
| 5. | | | | | | | | | | | |
| 6. | | | | | | | | | | | |
| 7. | | | | | | | | | | | |
| 8. | | | | | | | | | | | |
| 9. | | | | | | | | | | | |
| 10. | | | | | | | | | | | |
| 11. | | | | | | | | | | | |
| 12. | | | | | | | | | | | |
| 13. | | | | | | | | | | | |
| 14. | | | | | | | | | | | |
| 15. | | | | | | | | | | | |
| Vegetables | | | | | | | | | | | |
| 16. | | | | | | | | | | | |
| 17. | | | | | | | | | | | |
| 18. | | | | | | | | | | | |
| 19. | | | | | | | | | | | |
| 20. | | | | | | | | | | | |
| 21. | | | | | | | | | | | |
| 22. | | | | | | | | | | | |
| Small Fruits | | | | | | | | | | | |
| 23. | | | | | | | | | | | |
| 24. | | | | | | | | | | | |
| 25. | | | | | | | | | | | |

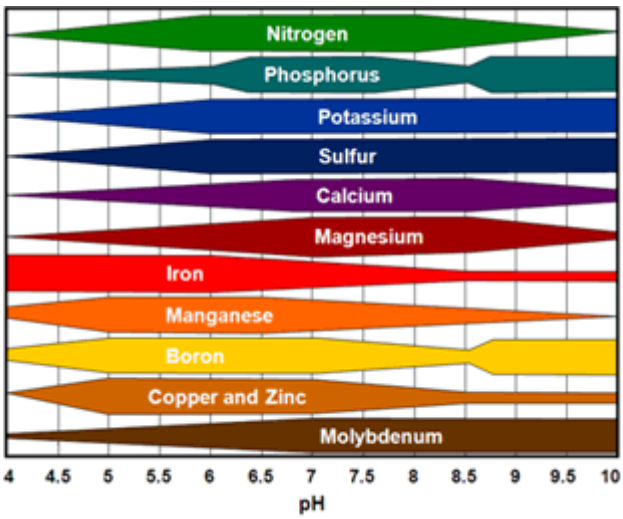
1. How many plants prefer the pH from 4.5 and 6.0? _____

2. How many plants prefer the pH from 6.0 and 7.0? _____

3. How many plants can tolerate a pH above 7.0? _____

4. Based on the plants you selected; what pH range is the best for optimal plant growth?

5. Why do plants need a specific pH for optimal growth?




6. Using the above chart, list the plant nutrients that are available at the pH range you selected for optimal plant growth.