







TAKE A CLOSER LOOK

(Classifying Flowering Plants as Monocots or Dicots)

Flowering plants are classified as monocots or dicots. Study the chart below to learn the characteristics of each.

Examine each numbered plant or picture displayed. Use the information in the chart to help you classify each plant as either a monocot or a dicot. Beginning with the column titled "Leaf Vein Pattern," check off each category that applies to each plant. Be prepared to explain why you classified each plant as a monocot or a dicot.

| | Leaf Vein Pattern | Stems (vascular bundles) | Flower Parts |
|----------|---|---|--|
| Monocots |  parallel veins |  scattered bundles |  multiples of 3 |
| Dicots |  netlike veins |  bundles in ring |  multiples of 4 or 5 |

| Plant (Number & Name) | Leaf Vein Pattern | | Stems (vascular bundles) | | Flower Parts | | Classification | |
|--------------------------|-------------------|---------------|--------------------------|------|----------------|---------------------|----------------|---------|
| | Parallel veins | Netlike veins | Scattered | Ring | Multiples of 3 | Multiples of 4 or 5 | Dicot | Monocot |
| 1. | | | | | | | | |
| 2. | | | | | | | | |
| 3. | | | | | | | | |
| 4. | | | | | | | | |
| 5. | | | | | | | | |
| 6. | | | | | | | | |
| 7. | | | | | | | | |
| 8. | | | | | | | | |
| 9. | | | | | | | | |
| 10. | | | | | | | | |
| 11. | | | | | | | | |
| 12. | | | | | | | | |
| 13. | | | | | | | | |
| 14. | | | | | | | | |
| 15. | | | | | | | | |