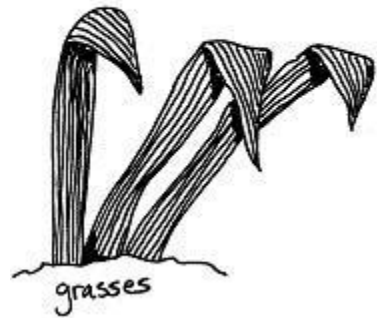
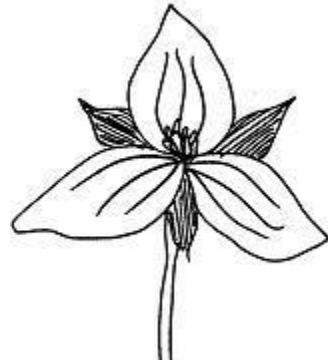
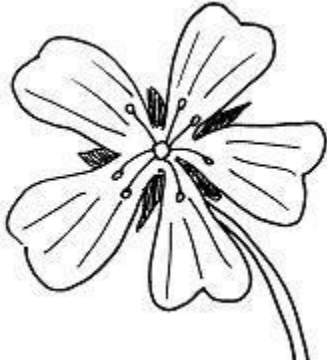
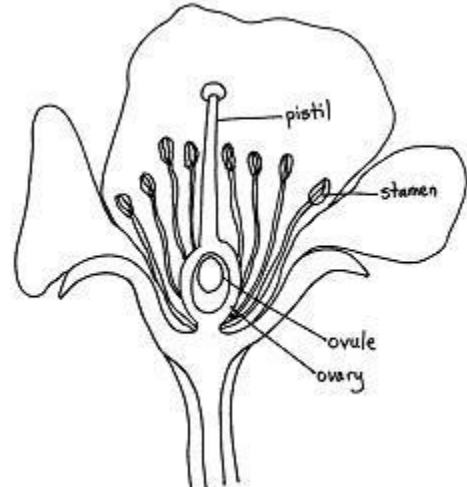


Flowering plants fall into two basic groups: dicots and monocots.

| MONOCOTS                                                                                                     |                                                                                                                | DICOTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                               |
|--------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
|  <p>inside of corn seed</p> | <p>Each seed has one seed part (cotyledon) with an embryo inside. The outside is covered with a seed coat.</p> |  <p>inside of bean seed</p>                                                                                                                                                                                                                                                                                                                                                                   | <p>Each seed has two seed parts (cotyledons). Dicots also have an embryo and a seed coat.</p> |
|  <p>grasses</p>            | <p>Monocots' leaves have parallel veins.</p>                                                                   |  <p>maple leaf</p>                                                                                                                                                                                                                                                                                                                                                                           | <p>Dicots' leaves have branching veins.</p>                                                   |
|                           | <p>The flowers of a monocot have petals in multiples of three.</p>                                             |                                                                                                                                                                                                                                                                                                                                                                                             | <p>The flowers of a dicot have petals in multiples of four or five.</p>                       |
|                           |                                                                                                                | <p><u>Flower parts:</u><br/>The long tube in the middle of the flower is called the pistil. At the base of the pistil, the tube thickens. Inside it is the ovary which contains one or more ovules, which are undeveloped seeds. Surrounding the pistil are the stamens, which have dusty yellow powder on their tips. The powder is pollen. In order for the seed to develop, pollen needs to enter the pistil through the knobby stigma at the top and fertilize the egg.</p> |                                                                                               |