Horticulture and Ecology ENPL236

Horticulture
Identification of plant
Types of plants -1

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Requirement of plants

- Light
- Water
- Air
- Nourishment
- Temperature, hardiness
- Soil
- spacing

light

- natural light from sun for photosynthesis
 Full shade from buildings,
 - deep shade from dense foliage,
- half equalized proportion of full sun and shade
 - -light , filtered shade

water

- All plants need water
- From rain or irrigation
- Obtained through soil, spray the leaves, dew
- Drought resistance plants best for semi- arid and arid areas

Nourishment and fertilizers and pesticides

- Nitrogen stem foliage
- Phosphorous roots
- Potassium flowers and fruits
- Iron, magnesium, boron, copper
- Found naturally in the soil from parent rock
- or by adding fertilizers
- Be careful in using fertilizers
- Pesticides for aphids and disease

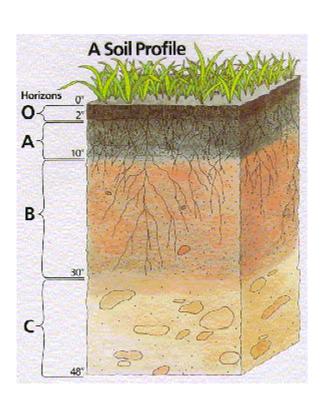
temperature

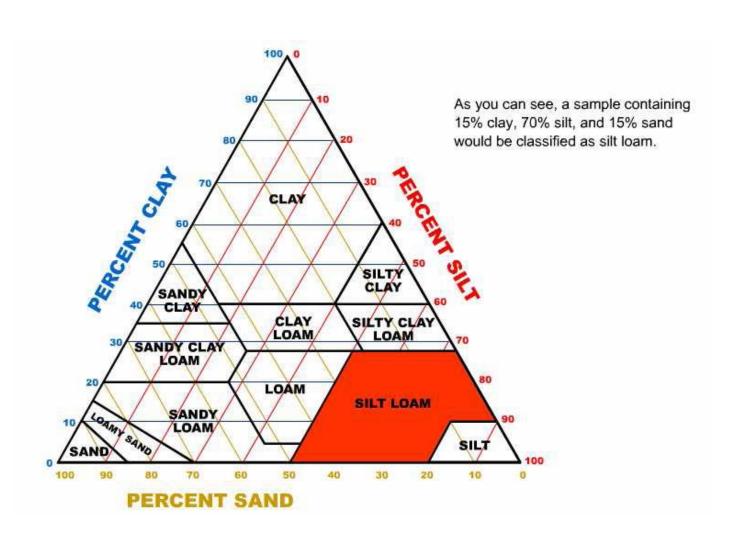
Hardiness (resist cold weather)

Soil

• Sand, silt, clay

- Top soil, humus -nutrient organic material
- Sub soil reservoir (parent rock)
- ph





Air

- Air in the soil, availability of oxygen in the soil
- Water logged, clay soils are oxygen- deficient
- Loose soil

spacing

Depend on spread

Ordering and Planting

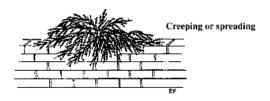
- Ordering samplings or seeds from available nurseries
- For planting prepare the soil
- Digging hole with suitable size , plant and water

maintenance

Care, pruning, watering, repotting

Plant Properties

- Size
- •Form
- Habit
- Color
- •texture
- Bark
- berries



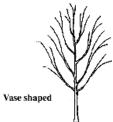








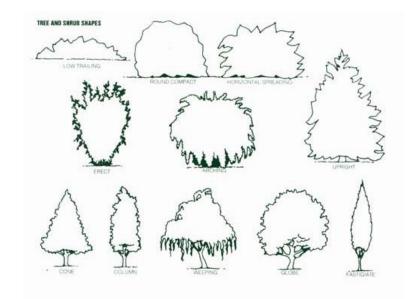
Conical or Upright





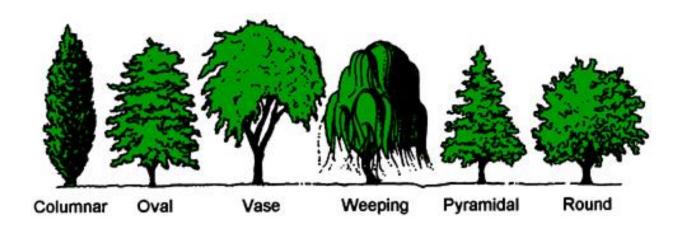
Form

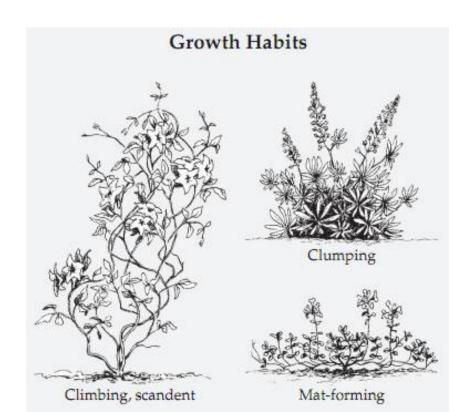




habit

- An upright, reasonably large [more than (3-4) 5 metres tall] woody plant, usually with a single stem. **(trees)**
- An upright (or spreading horizontally and then becoming upright)
 multiple stemmed woody plant which is generally smaller than a
 tree (usually less than 5 metres tall). ascending
- A woody plant with branches spreading along the ground or lying flat on the ground, or spreading along the ground for most of its length but with tips turning upwards. Prostrate
- Woody or herbaceous plants with stems that are not selfsupporting, but are climbing or straggling on some support.
 Climbing, straggling
- Herbs (or rarely shrubs) with a whorl of leaves (by contraction of stem internodes) at the base of the stem, or non-woody, nonclimbing plants. Rosette-forming or herbaceous (non-climbing)





texture_









color

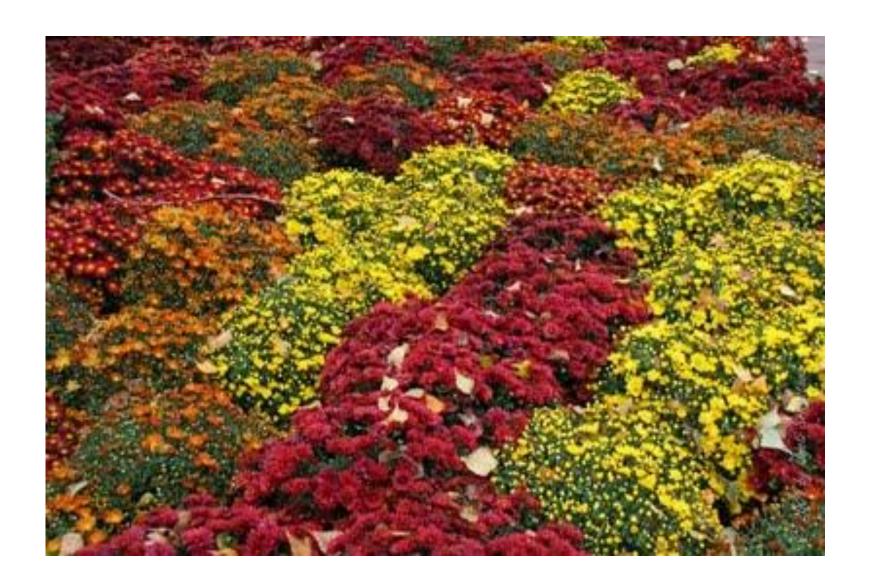
















berries





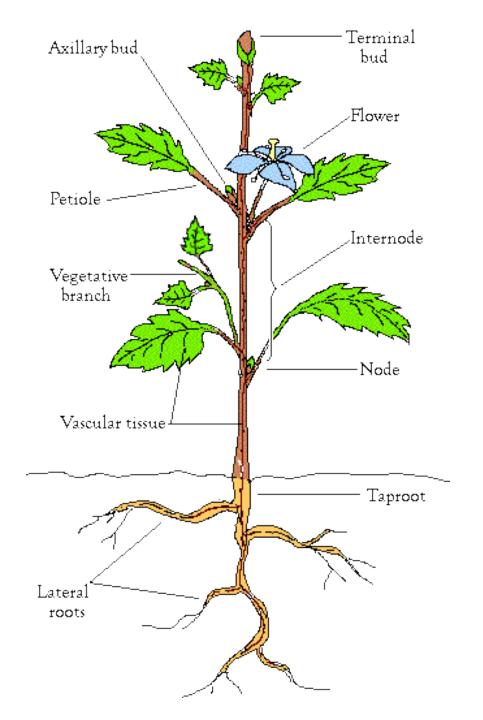






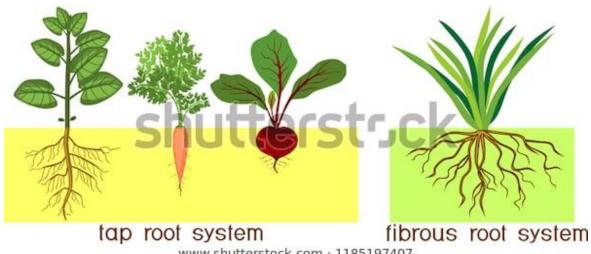
Parts of plant

- Root
- Stem
- Branches and twigs
- Leaves
- Flowers
- Fruits
- seeds



Roots

- Tap, Fibrous, Bulbs, Rhizomes
- Horizontal spread, vertical (deep)
- function



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stem

- function
- Bark texture





Eucalyptus deglupta









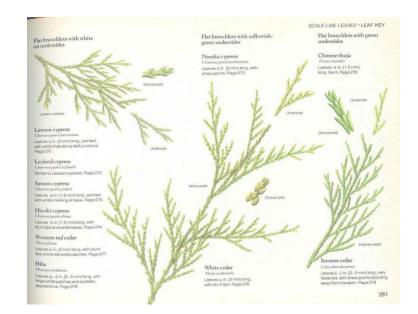


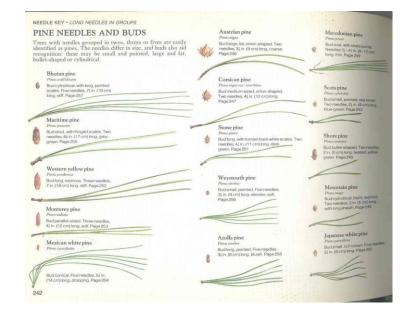




eaves







branches



Flowers Rosa sp.



Pittosporum tobira



Prunus amygdalus Amygdalus comunis







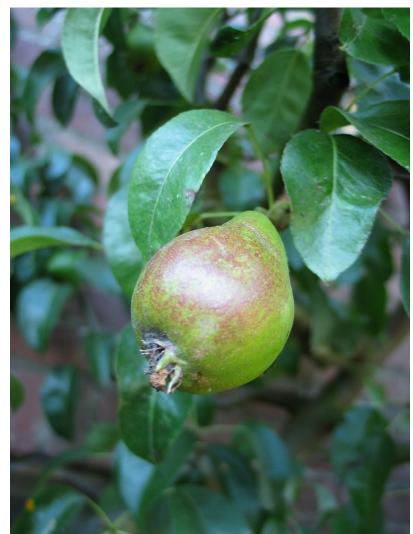
Wisteria

fruits



Prunus aviam

Pyrus communis



Prunus aviam





Ceratonia silique





Viburnum tinus



seeds





