How to Identify Trees by Leaf

The Shape of leaves

- You can recognize a plant by looking at the leaves.

- Leaves are:

1. simple or 2. compound.

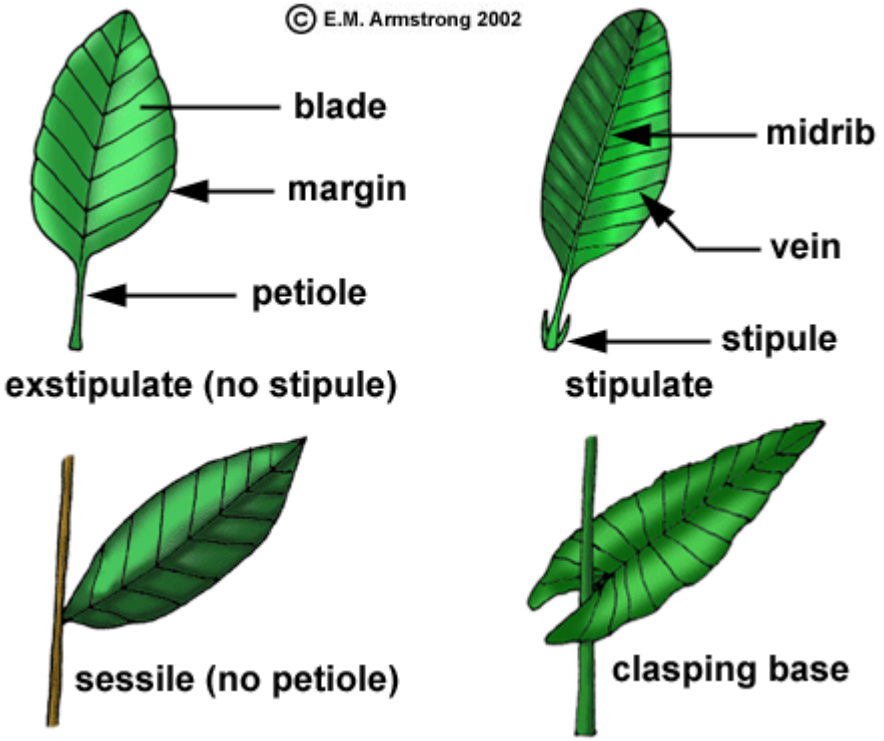
Simple leaf

- The simple leaf can be 1.entire or 2. lobed.

1. Entire simple leaf. Normally there is an axillary bud at the base of the leaf stalk, although this may be very small

- Examples: yam , millet, okra., hibiscus, maize, cocoa, teak, coffee

Simple leaf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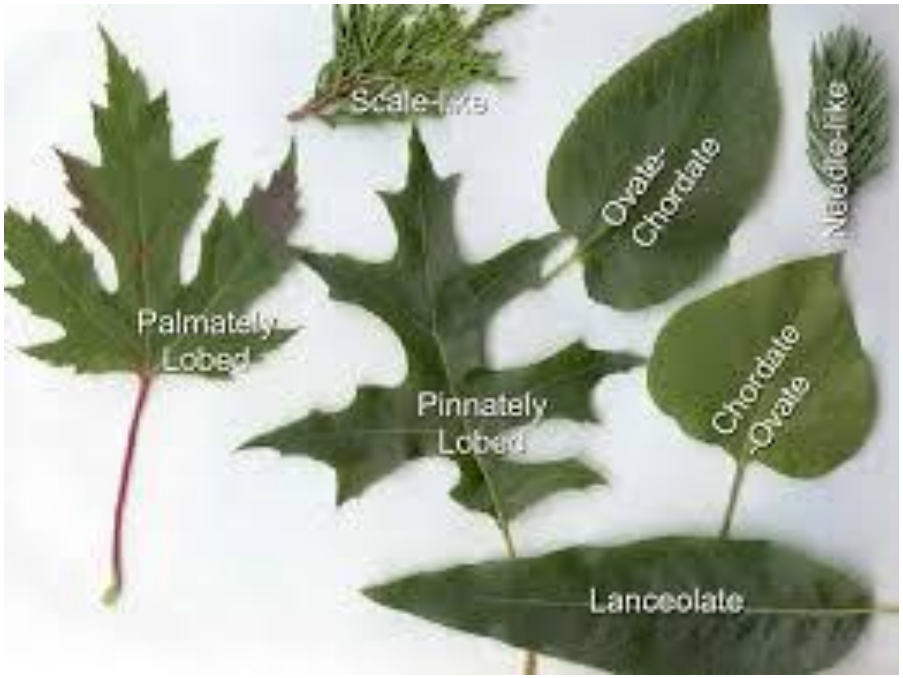
blade
margin
petiole
exstipulate (no stipule)
midrib
vein
stipule
stipulate
sessile (no petiole)
clasping base

Simple leaf

- Lobed simple leaf
- Examples: cassava, cotton

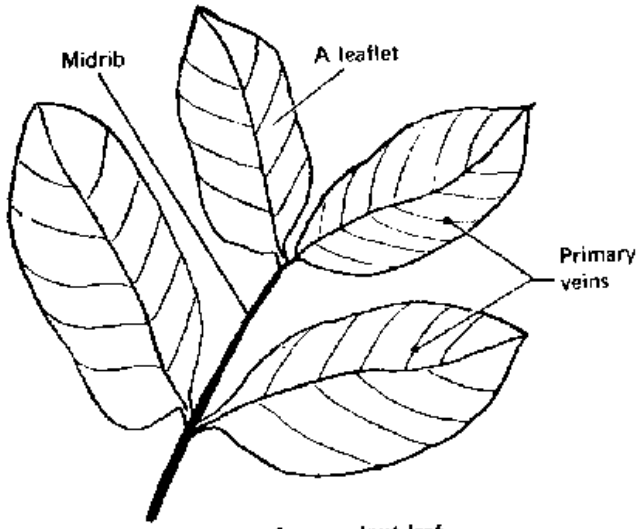
Simple leaf

- Lobed simple leaf



Compound leaf

- Look carefully at the drawing of a groundnut leaf. What it shows is not four groundnut leaves. It is a single leaf. But this leaf is made up of a midrib bearing four little leaves.
- These little leaves are called leaflets.
- The midrib of a compound leaf is not a stem.
- So there is never a bud between the midrib and the leaflets.



A groundnut leaf

How to identify trees by the shape of simple leaves

- All are clearly heart-shaped

- Tilia cordata

How to identify trees by the shape of simple leaves

- All are clearly heart-shaped

- Tilia platyphyllos

How to identify trees by the shape of simple leaves

- Triangular or rhomboidal

- Betula pendula

How to identify trees by the shape of simple leaves

- Triangular or rhomboidal

- Betula pubescens

How to identify trees by the shape of simple leaves

- Triangular or rhomboidal

- Populus nigra

How to identify trees by the shape of simple leaves

- Triangular or rhomboidal

- Populus canadensis

How to identify trees by the shape of simple leaves

- Palmate or lobed. The lobed may be rounded or pointed

- Acer platanoides

How to identify trees by the shape of simple leaves

- Palmate or lobed. The lobed may be rounded or pointed

- Crataegus monogyna

How to identify trees by the shape of simple leaves

- Palmate or lobed. The lobed may be rounded or pointed

- Populus tremula

How to identify trees by the shape of simple leaves

- Palmate or lobed. The lobed may be rounded or pointed

- Quercus faginea

How to identify trees by the shape of simple leaves

- Palmate or lobed. The lobed may be rounded or pointed

- Quercus robur

How to identify trees by the shape of simple leaves

- Palmate or lobed. The lobed may be rounded or pointed

- Quercus suber

How to identify trees by the shape of simple leaves

- Palmate or lobed. The lobed may be rounded or pointed

- Sorbus latifolia

How to identify trees by the shape of simple leaves

- Rounded or as wide as they are long, although they may finish in a point.

- Alnus glutinosa

How to identify trees by the shape of simple leaves

- Rounded or as wide as they are long, although they may finish in a point.

- Corylus avellana

How to identify trees by the shape of simple leaves

- Rounded or as wide as they are long, although they may finish in a point.

- Pyrus cordata

How to identify trees by the shape of simple leaves

- Linear or narrow-lanceolate (much longer than they are wide)

- Acacia

How to identify trees by the shape of simple leaves

- Linear or narrow-lanceolate (much longer than they are wide)

- Eucalyptus

How to identify trees by the shape of simple leaves

- Linear or narrow-lanceolate (much longer than they are wide)

- Olea europea

How to identify trees by the shape of simple leaves

- Linear or narrow-lanceolate (much longer than they are wide)

- Prunus dulcis

How to identify trees by the shape of simple leaves

- Linear or narrow-lanceolate (much longer than they are wide)

- Salix alba

How to identify trees by the shape of compound leaves

- By number of leaflets, generally even number of leaflets (even-pinnate)

- Ceratonia siliqua

How to identify trees by the shape of compound leaves

- By number of leaflets, generally even number of leaflets (even-pinnate)

- pistacia lentiscus

How to identify trees by the shape of compound leaves

- By number of leaflets, generally odd number of leaflets (odd-pinnate)

- fraxinus angustifolia

How to identify trees by the shape of compound leaves

- By number of leaflets, generally odd number of leaflets (odd-pinnate)

- Robinia pseudoacacia

How to identify trees by the shape: Needle-like or acicular

- Pine family

How to identify trees by the shape: Needle-like or acicular

- Abies alba

How to identify trees by the shape: Needle-like or acicular

- Abies pinsapo

How to identify trees by the shape: Needle-like or acicular

- Erica arborea

How to identify trees by the shape: Needle-like or acicular

- Juniperus communis

How to identify trees by the shape: Scale shaped or articulated-looking twigs

- Tamarix

How to identify trees by the shape: Scale shaped or articulated-looking twigs

- Juniperus phoenicea

How to identify trees by the shape: Very large palm-type

- Chamaerops humilis

How to identify trees by the shape: Very large palm-type

- Phoenix dactylifera

Referencies

- Mobile App. Resources:
- 1. PlantNet
- 2. Arbolapp.