CLASSIFICATION II

DICHOTOMOUS KEY USING LEAVES

Objectives of the lesson

- By the end of the lesson the learners should be able to:
- Define a leaf
- identify the external parts of a leaf,
- Draw and label the external parts of a leaf,
- List types of leaves,
- Use a simple dichotomous key,
- Construct a simple dichotomous key

Requirements for this lesson

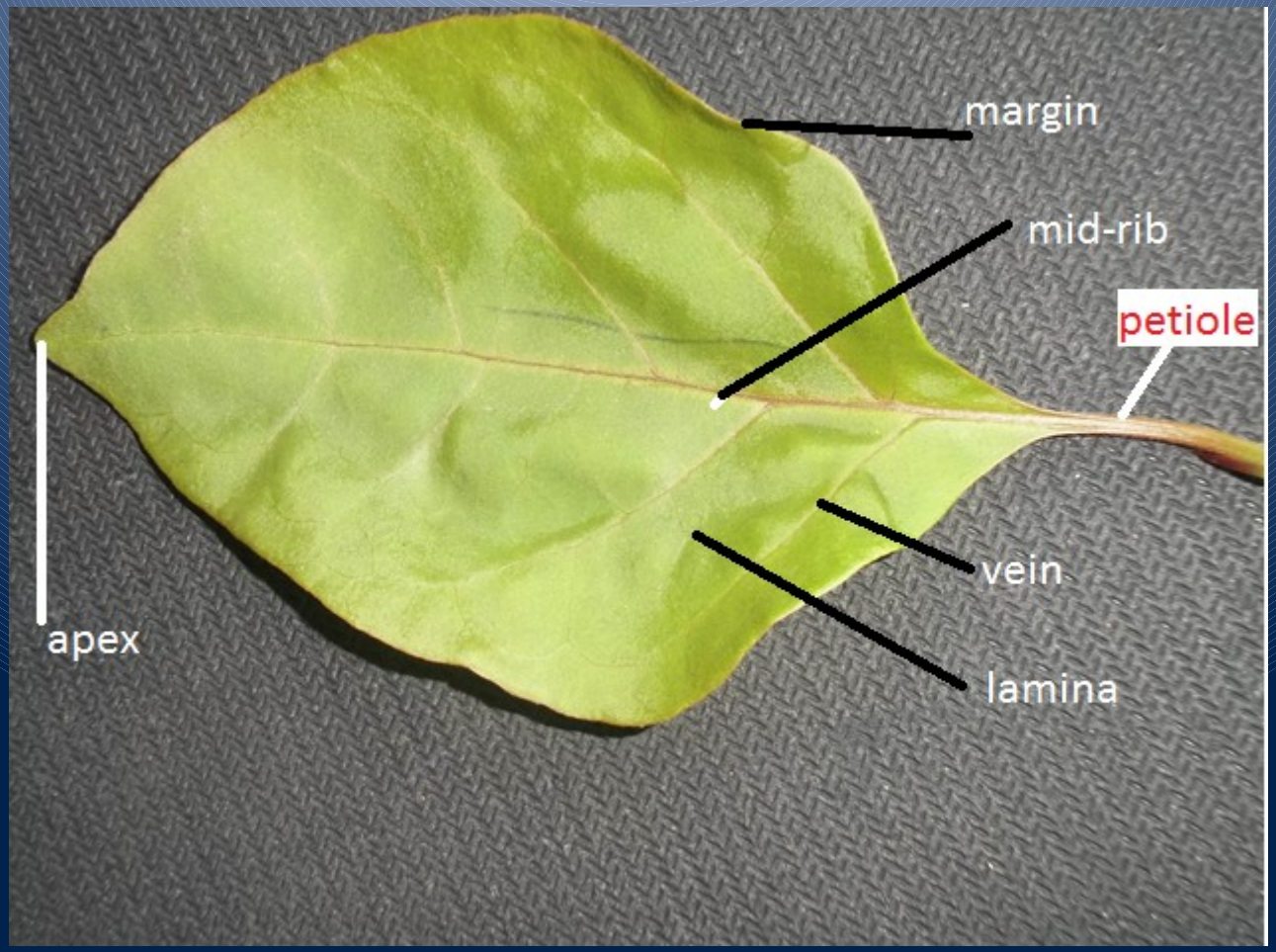
- Every learner should have the;
  - Leaf specimens
  - Hand lens
  - Note book
  - Pencils
  - Rulers
  - Digital camera

LEAF STRUCTURE

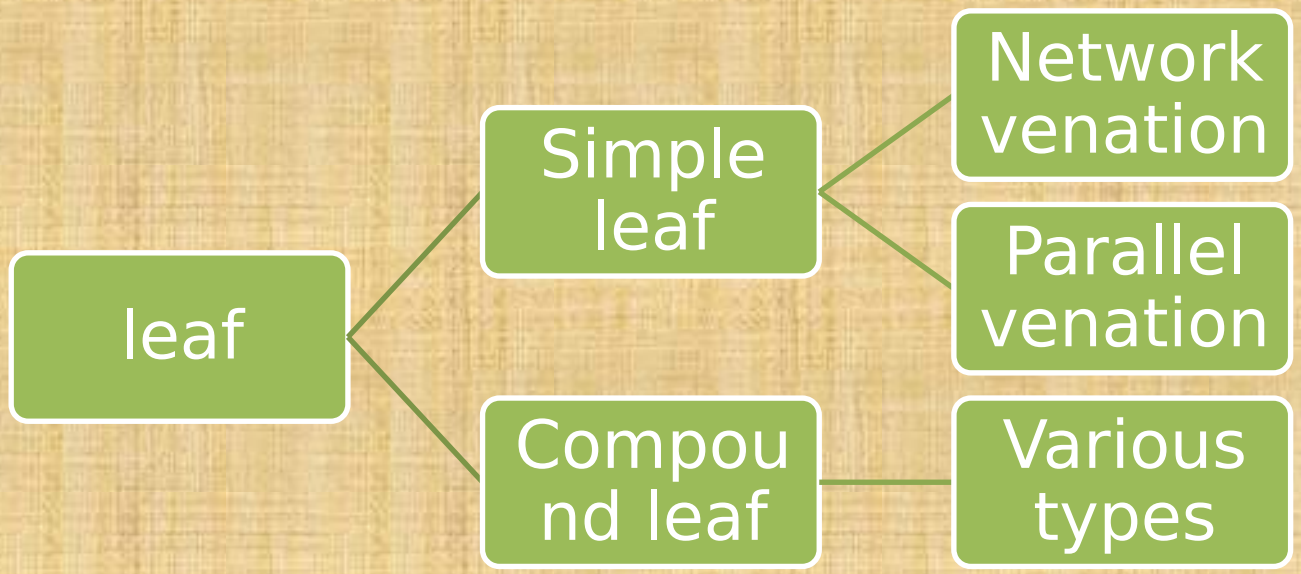
- EXTERNAL STRUCTURE
- Margin
- Mid rib
- Veins
- Petiole
- Lamina
- apex



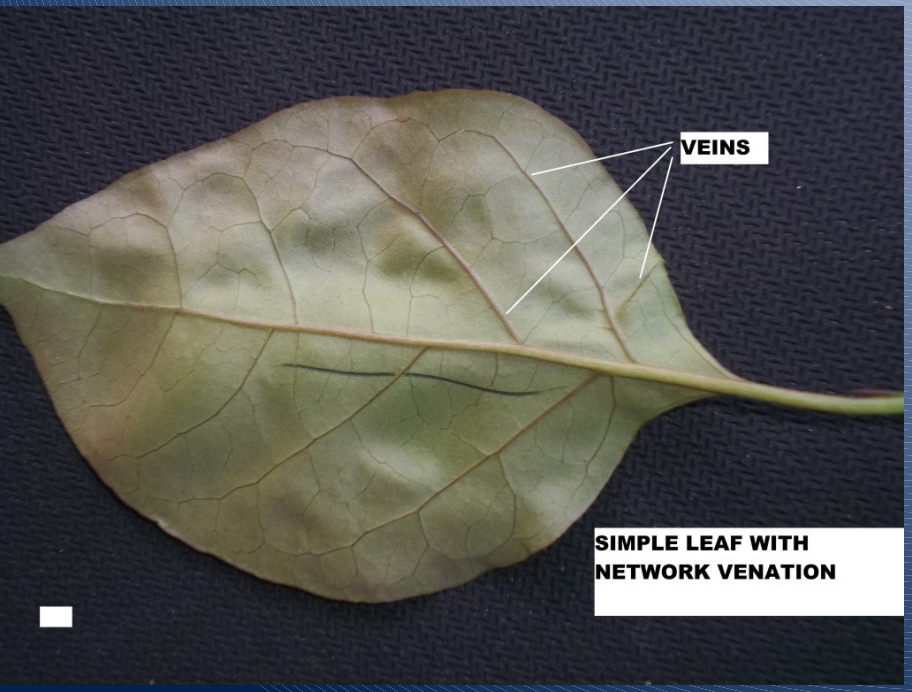
Draw and label the external parts of a leaf



Types of leaves



Types of simple leaves







Types of compound leaves



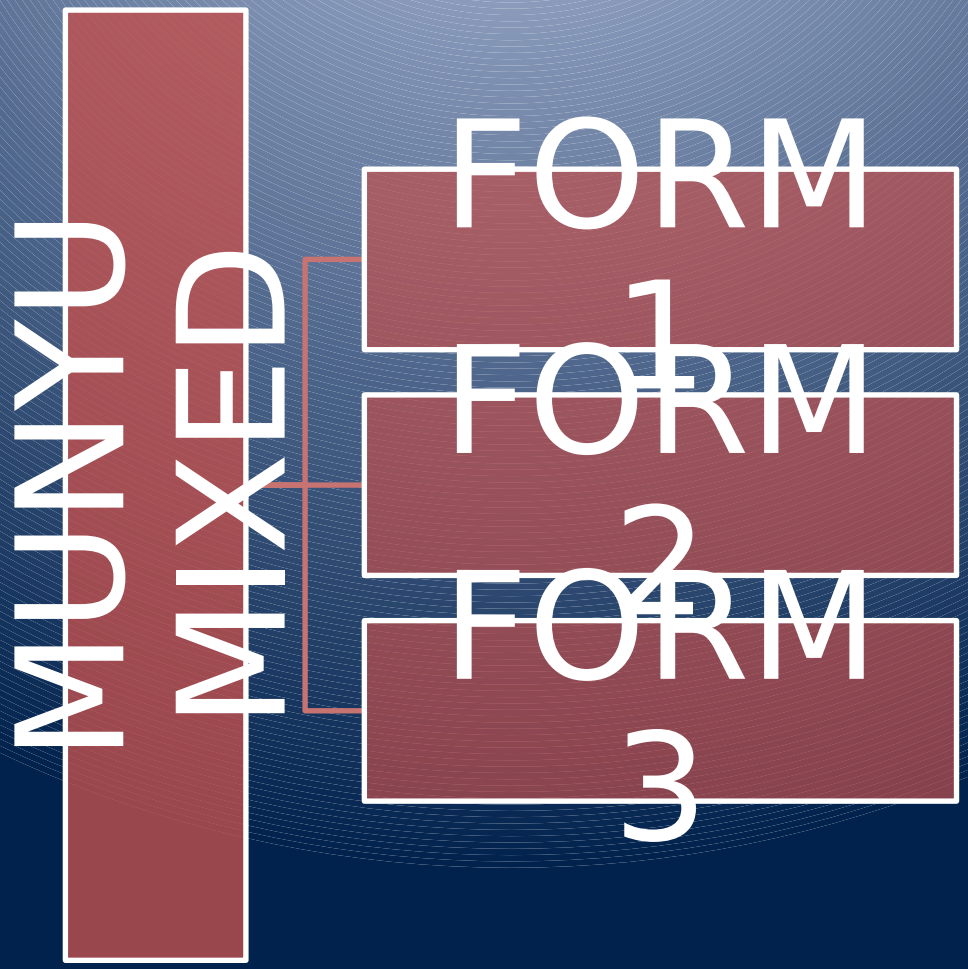




Activity 2

- In groups of 5,take the digital camera and take photographs of the different compound leaves within the school compound.

Dichotomous key



DEFINE DICHOTOMOUS KEY

- A biological tool used in the identification and grouping of living things into groups using observable features such as:
- Types of veins
- Margin
- Shape of apex

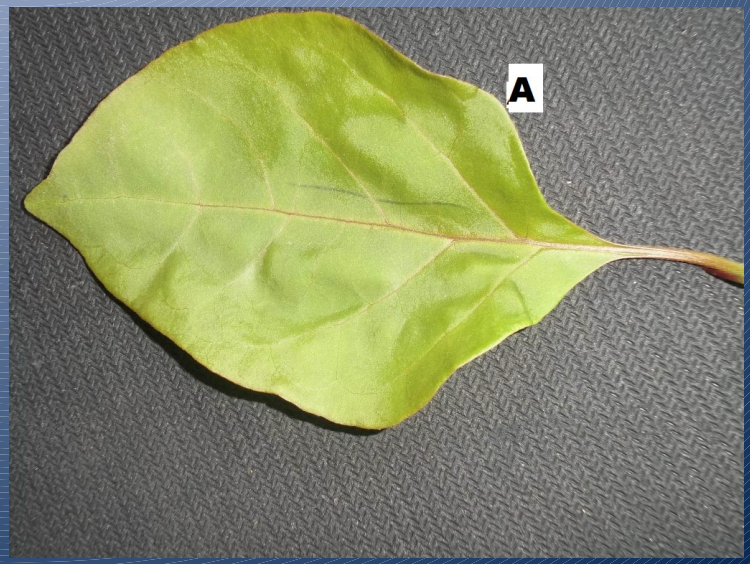
SIMPLE DICHOTOMOUS KEY

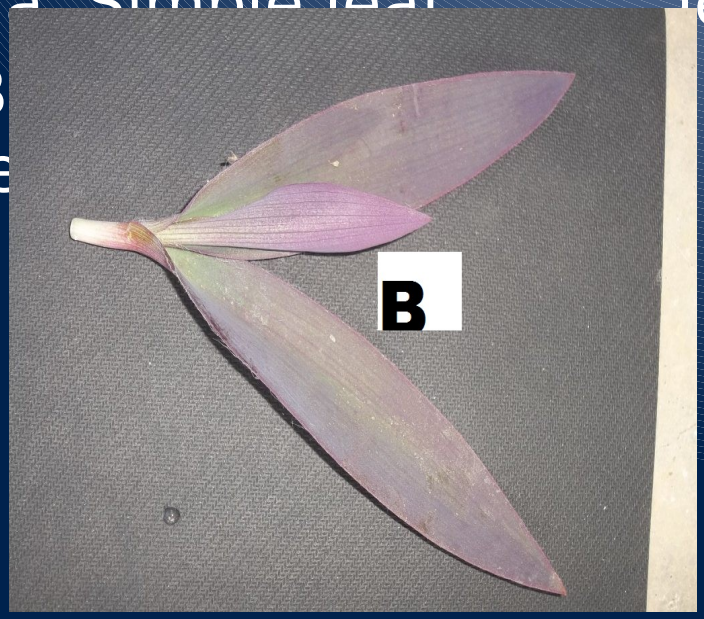
1a. Network venation……go to 2

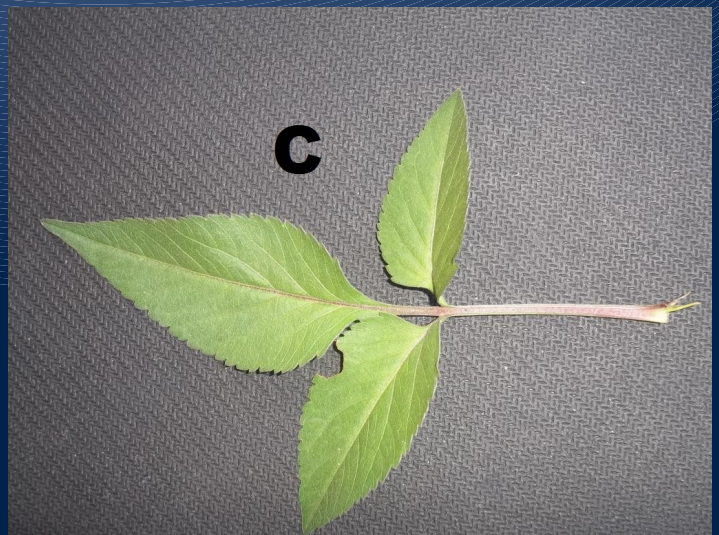
B. parallel venation……. leaf B

2a. Simple leaf ……. leaf A

B. Compound leaf ……. leaf C







Constructing a dichotomous Key

- Using the photographs you collected using the digital camera construct a dichotomous to help identify the leaves.