

**Activity-32: Are all leaves same.**

**Aim: How to describe a Leaf?**

**Introduction:**

What do leaves do?

Why are leaves important?

Leaves are plant organs that make food for the plant in the presence of sunlight by a process called photosynthesis. We eat plants for food. Thus leaves are the organs that make food for the entire world.

**Save plants and you will be called the mother of Earth.**

**Procedure:**

Go to your surrounding area and collect as many different leaves as possible. The leaf should be the largest one found on the plant. Do not collect young leaves. Each student must have a minimum of 10 different leaves.

Character	Leaf-1	Leaf-2	Leaf-3	Leaf-4
Plant name				
Shape of leaf				
Size of leaf				
Tip of leaf				
Margin of leaf				
Petiole				
Base of leaf				
Surface				
Colour of both surfaces				
Thickness				

Weight				
Area				

Use the instruction-set for plant identification for describing the shape and weight of leaf.

For area, place the leaf on a graph paper. Using a pencil mark the margin of the leaf and count the number of squares present. If the margin passes through half a square, count the smaller squares. Your leaf area will be:

((Sum of whole (big) squares) + (sum of small squares)/10) square centimetres

Compare the areas with the number of leave on that plant or the duration of day-light at the place where you collected the plant or the dryness or wetness of the soil at that place or the height of the plant.

