

Activity-34: Studying the Datura flower

Requirements: Collect Datura flowers from different areas of your surroundings. Pluck the biggest flower present on any particular plant. Collect two flowers from each plant. You will need a scale, a graph paper, a blade, hand lens, a plain paper and a pencil.

Procedure:

1. Make a drawing of the flower. You do not need to shade it.
2. Count the number of sepals and write it down. Also mention the colour
3. Cut flower longitudinally from the tip to tip. Separate the parts and make a drawing of the section.
4. Make a separate drawing for each part of the flower on the graph paper.
5. You could put the flower part on the graph paper and mark the margins for a drawing.

Observation:

Character	Description
Fragrant smell present/absent	
Sepals present/ absent	
Number of sepals	
Are the sepals separate/attached	
If sepals are attached then to what	
Colour of sepals	
Petals present/absent	
Are the petals separate/attached	
If petals are attached then to what	
Number of petals	

Colour of petals	
Stamens absent/present	
Pistils absent or present	
Number of stamens	
Length of stamens	
Colour of stamens	
Number of pistils	
Length of pistils	
Colour of pistils	
Are all or some of the stamens separate	
If the stamens are attached then to what	
Are all or some of the pistils separate	
If the pistils are attached then to what	
Shape of ovary	
Colour of ovary	
Are the anthers higher or lower than the stigma	
How is the surface of the ovary	
How many ovaries are present	
Are the stigmas attached or separate	
If the stigmas are attached then to what	
Are the anthers attached or separate	
If the anthers are attached then to what	