HOMESCHOOL SCIENCE LAB SHEET

Dissecting a Flower
to Identify Its Parts

Name: _____

Date: _____

Subject: Science

GOAL: To carefully dissect a flower and identify the major parts and their functions.

MATERIALS

- Fresh flower (lily, tulip, hibiscus, or another with clear parts)
- Dissection tray or plate
- Tweezers (or small tongs)
- Scissors
- Magnifying glass
- Notebook or lab sheet
- Pencil
- Paper towel

SAFETY FIRST

- Use scissors carefully.
- Handle all tools with care.
- Wash your hands before and after the activity.
- Be gentle with the flower parts.

PARTS OF A FLOWER

Stigma
Sticky top part that receives pollen.

Style
Tube-like part that connects the stigma to the ovary.

Petal
Often colorful to attract pollinators.

Sepal
Leaf-like part that protects the flower bud.

Anther
Produces pollen (male part).

Filament
Holds up the anther.

Ovary
Contains ovules; develops into fruit after pollination.

Ovule
May develop into a seed.

PROCEDURE

1. Place the flower on your tray.
2. Observe the whole flower. Draw or describe what you see.
3. Carefully remove each part of the flower, one at a time.
4. Identify each part using the diagram and descriptions on this sheet.
5. Place the parts in order on your tray.
6. Record your observations in the data table.
7. Dispose of leftover plant material in the compost or trash.

DATA TABLE

Part Name	Description (color, size, shape, texture)	Function (what it does)	Sketch
Stigma			
Style			
Anther			
Filament			
Petal			
Sepal			
Ovary			
Ovule			

ANALYSIS QUESTIONS

1. Which parts are the male parts of the flower? _____
2. Which parts are the female parts of the flower? _____
3. How do petals and sepals help the flower? _____
4. What happens to the ovary after pollination? _____
5. Draw and label your flower in the space provided on the back of this sheet.

CONCLUSION

What did you learn from dissecting the flower? _____

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