



Republic of the Philippines
Department of Education
National Capital Region
DIVISION OF CITY SCHOOLS – MANILA
Manila Education Center Arroceros Forest Park
Antonio J. Villegas St. Ermita, Manila



SCIENCE 1

Comparing Plant Parts

Quarter 2: SLeM Week 2

Learning Competency:
Identify differences in the color, size and shape of
parts of plants.

GOVERNMENT PROPERTY
NOT FOR SALE

HOW TO USE THIS MODULE

Before you start answering the module, I want you to set aside other **tasks** that will disturb you while enjoying the lessons. Read the simple instructions below to successfully enjoy the objectives of this kit. *Have fun!*

1. Follow carefully all the contents and instructions indicated in every page of this module.
2. *Write on your notebook or any writing pad the concepts about the lessons. **Writing enhances learning**, that is important to develop and keep in mind.*
3. Perform all the provided activities in the module.
4. Let your facilitator/guardian assess your answers.
5. Analyze conceptually the posttest and apply what you have learned.
6. Enjoy studying!

PARTS OF THE MODULE

- **Expectations** - These are what you will be able to know after completing the lessons in the module.
- **Pre-test** - This will measure your prior knowledge and the concepts to be mastered throughout the lesson.
- **Looking Back** - This section will measure what learnings and skills that you understand from the previous lesson.
- **Brief Introduction**- This section will give you an overview of the lesson.
- **Activities** - These are activities designed to develop critical thinking and other competencies. This can be done with or without a partner depending on the nature of the activity.
- **Remember** - This section summarizes the concepts and applications of the lessons.
- **Checking your Understanding** - It will verify how you learned from the lesson.
- **Post-test** - This will measure how much you have learned from the entire module

EXPECTATION

Specifically, this module will help you to:

1. Compare the parts of the plant as to their size shape, color, texture, and smell.
2. Identify the similarities and differences of plants as to their size, shape, color, texture, and smell.

PRE-TEST

Direction: Choose and write the letter of the correct answer.

_____ 1. Which statement tells about the leaves?



- A. Leaves have different sizes and textures.
- B. Leaves have different sizes but the same texture.
- C. Leaves have same sizes and textures.

_____ 2. Which statement tells about the flowers?



- A. Flowers have the same shape and smell.
- B. Flowers have different shapes but the same smell
- C. Flowers have different shapes and color.

_____3. Which statement tells about the stem?



- A. All stems are edible or can be eaten.
- B. Some stems are soft and some are hard.
- C. Some stems are soft and hard and can be eaten.

Looking back to your lesson

Direction: Plant parts have works to do. Match column A to column B.

Column A

- _____1. roots
- _____2. stem and branches
- _____3. leaves
- _____4. fruits
- _____5. flowers

Column B

- A. makes the seed
- B. fruit bearing
- C. makes food for the plant
- D. give color to the plant
- E. holds the leaves
- F. gets water from the soil.

BRIEF INTRODUCTION

Plants have different parts. Most plants have roots, stems and leaves. Some plants have flowers and fruits.

We can compare the different plant parts with other plants. Most plants have different sizes, colors, and shapes.

Lesson 1

Comparing Roots

Observe the roots of the plants below.
Are the roots of each plant alike?
How they are alike?
How are they different?



Some roots are short, some are long.
Some roots are soft, others are hard.
Some roots grow big like mango tree.

ACTIVITY 1


I. Objective: Identify the different type of the roots.


II. Title: Compare the roots

III. Problem: What kind of roots does a plant have?

IV. What to use: pencil, worksheets

V. What to do: (Ask parents or an elder to assist you)

Put a  if the roots are hard and long,

And  if it is soft and short.



___ 1. Orchid plant



___ 2. Narra tree



___ 3. Onion plant



___ 4. Papaya plant



___ 5. Mango tree

VI. Critical Thinking Questions

1. How do roots of Onion differ with the roots of a mango tree?

Lesson 2

Comparing stems

Let us try to observe the stem of plants below.
Plants differ in their stem.
Some stems are soft others are hard.



Some stems are small and smooth.
Some stems have thorns like the cactus and roses.



The papaya plant and banana plant have a soft stem.
The coffee tree and lanzones tree have hard stem.



The stem of gabi plant and kangkong can be eaten. Stems that can be eaten are edible.

Activity 2

- I. Objective: Compare the stems of the plants.**
 - II. Title: Compare these plants**
 - III. Problem: Which stem of the plants are soft and hard?**
 - IV. What to use: pencil, worksheets**
 - V. What to do: (Ask parents or an elder to assist you)**
- Encircle the correct answer.**



Okra



Coconut

1. Which has a hard stem?



Gabi plant



Mahogany tree

2. Which stem can be eaten?



Jackfruit tree



Banana plant

3. Which has a soft stem?

VI. Critical Thinking Questions

1. How does the stem of a Narra tree differ with the stem of a banana tree?

Lesson 3

Comparing leaves

Plants differ in the sizes and shapes of their leaves.

Observe the leaves of different plants below.

Look at their shapes, sizes, and colors.



Gabi



Banana



Papaya



Anahaw



Lettuce



Black pepper

Leaves have different sizes, and shapes.

Some leaves can be eaten.

Some leaves are smooth, and some are rough when touched. Banana leaves are smooth while papaya leaves are rough.

ACTIVITY 3

I. Objective: Compare the leaves of the plants.

II. Title: Guess my size and shape

III. Problem: How do leaves differ?

IV. What to use: pencil, worksheets

V. What to do: (Ask parents or an elder to assist you
Draw a line to match the leaves to its size and shape.

1.



➤ thin and long

2.



➤ Heart shape

3.



➤ small

4.



➤ big

5.



➤ Rough edges

VI. Critical Thinking Questions

How do the leaves help man and animals?

Lesson 4

Flowers of Plants

Flowers differ in size, shape, color, and smell.

Flowers make plants beautiful. They can attract bees and butterflies because of their attractive colors.



The Sampaguita and Ilang-ilang flowers smell sweet.



Rose



Sunflower



Orchid

Flowers have different colors. Some are red, yellow and purple. Other flowers are white and pink.



Gumamela



Santan

Some flowers like Gumamela and Santan have no smell.

ACTIVITY 4

- I. **Objective:** Observe and compare the flowers of the plants.
- II. **Title:** “How do I smell?”
- III. **Problem:** In what ways are the flowers different?
- IV. **What to use:** pencil, worksheets.
- V. **What to do:** (Ask parents or an elder to assist you)

Write S on the blank if the flower smells sweet,
and NS if the flower has no smell.



VI. Critical Thinking Questions

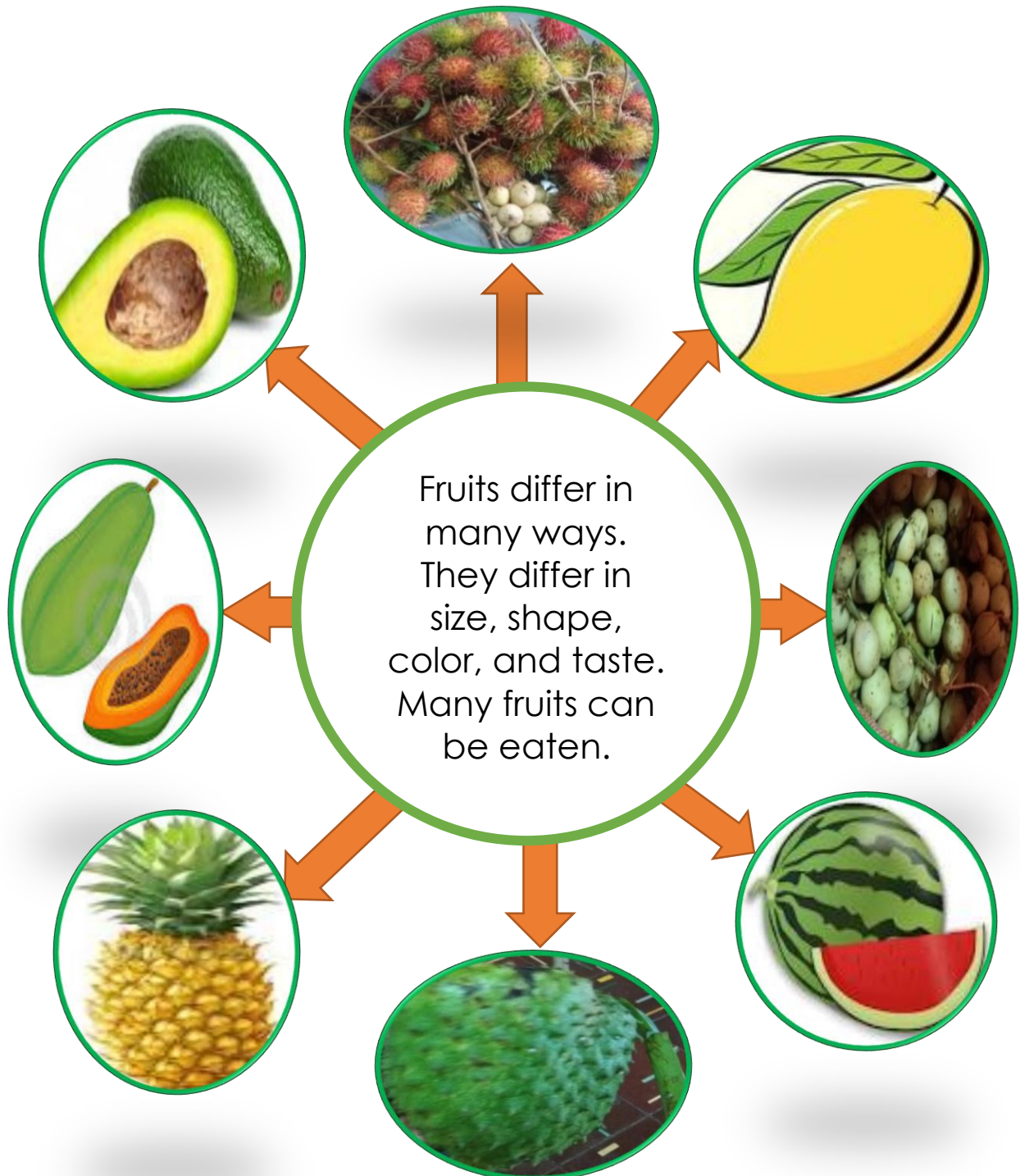
How do flowers attract bees and butterflies?

Lesson 5

Fruits of Plants

Some plants bear fruits. Fruits contain seeds.
These seeds grow into a new plant.

Look at the fruits below. Can you name them?



ACTIVITY 5

- I. Objective:** Observe and compare the size, color size and taste.
- II. Title:** “Where Do I belong?”
- III. Problem:** In what ways are the fruits differ?
- IV. What to use:** pencil, worksheets
- V. What to do:** (Ask parents or an elder to assist you)
Copy the names of each fruit and group them as to:

Big Fruits	Small fruits	Sweet fruits	Sour fruits



Rambutan



Watermelon



Papaya



Kiat-kiat



Guava



Banana



Santol



Strawberry



Guyabano



Tomato



Mango



Durian



Calamansi



Lanzones

VI. Critical Thinking Questions

Why are fruits important to our health?

REMEMBER

- Plant parts differ in size, shape color and texture.
- Some roots of plants are brown, others are white.
- Some roots of plants are edible or can be eaten.
- The stems of some plants are soft, while others are hard or woody. Woody stem is called a trunk. Some stems can be eaten.
- Flowers have different sizes, colors, and smell.
- Fruits have different shapes, sizes, colors, textures, and tastes. Most fruits can be eaten. They are rich in vitamins and aood for

CHECKING YOUR UNDERSTANDING

Direction: Write **TRUE** if the statement is correct and **False** if not correct.

- _____ 1. Plants have similarities and differences.
- _____ 2. Some roots are edible or can be eaten.
- _____ 3. All plants have big leaves.
- _____ 4. The shape and tastes of the fruits are
The same.
- _____ 5. Some flowers smell good.

POST TEST

Direction: Encircle the letter of the correct answer.

1. The rose plant has _____ and _____ roots.
A. big, long
B. small, short
C. neither
2. The sugar cane has _____ stems.
A. round
B. long
C. big
3. The banana has _____ leaves.
A. linear
B. heart-shaped
C. round
4. This is an example of a small flower.
A. gumamela
B. sunflower
C. sampaguita
5. Gabi leaf has a _____ shape.
A. heart-shaped
B. round
C. oval

REFLECTIVE LEARNING SHEET

Name: _____

COMPARING THE PLANT PARTS Reflective Learning Sheet

Directions: Write a reflective learning ON COMPARING THE PLANT PARTS by answering the questions inside the box. You can express your answers in a more critical and creative presentation. You can do it! Wishing you SUCCESS!

I want to explain how ...

To begin with....

Finally,

Name: _____ Section: _____

Lesson 1

Pre-Test

1. _____
2. _____
3. _____

Activity 1

1. _____
2. _____
3. _____
4. _____
5. _____

Looking back to your lesson

1. _____
2. _____
3. _____
4. _____
5. _____

Critical Thinking

Lesson 2

Activity 2

1. _____
2. _____
3. _____
4. _____
5. _____

Critical Thinking

Lesson 3

Activity 3

1. _____
2. _____
3. _____
4. _____
5. _____

Critical Thinking

Lesson 4

Activity 4

1. _____
2. _____
3. _____
4. _____
5. _____

Critical Thinking

Lesson 5

Activity 5

Big fruits	Small fruits	Sweet fruits	Sour fruits

Critical Thinking

Checking Your Understanding

1. _____
2. _____
3. _____
4. _____
5. _____

Post-Test

1. _____
2. _____
3. _____
4. _____
5. _____

Name: _____ Section: _____

ANSWER KEY

Pre-Test

- 1.A
- 2.C
- 3.B

Looking back to your lesson

- 1.F
- 2.E
- 3.C
- 4.B
- 5.A

Lesson 1

Activity 1

1. ✗
2. ✓
3. ✓
4. ✗
5. ✓

Critical Thinking

Onion roots are small and soft while mango tree have long and hard roots.

Lesson 2

Activity 2






- 1.coconut tree
- 2.gabi plant
- 3.banana plant

Critical Thinking

The stem of Narra tree is woody while the Banana tree is soft.

Lesson 3

Activity 3

1.		➤ thin and long
2.		➤ Heart shape
3.		➤ small
4.		➤ big
5.		➤ Rough edges

Critical Thinking

The leaves help man and animal to get food.

Lesson 4

Activity 4

- 1.NS
- 2.S
3. NS
4. NS
5. S

Critical Thinking

The colorful petals of flowers attract bees and butterflies.

Lesson 5

Activity 5

Big fruits	Small fruits	Sweet fruits	Sour fruits
Water melon	calamansi	mango	santol
papaya	Kiat-kiat	banana	guava
durian	lanzones	rambutan	tomato
guyabano	strawberry	papaya	

Critical Thinking

Fruits gives vitamins and make our body strong and healthy.

Cheking your understanding

- 1.TRUE
- 2.TRUE
- 3.FALSE
- 4.FALSE
- 5.TRUE

POST TEST

- 1.B
2. B
- 3.A
- 4.C
- 5.A

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