



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

Parts of the Plant

Quarter 2: SLeM Week 1

Learning Competency:
Infers that plants have
parts /structures that help them survive.

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. Name plants that are common in the locality.
2. Identify the parts of the plant.
3. Describe the parts and functions of each part of the plant.
4. Explain that the absence of some plant parts affect their survival.

PRE-TEST

Direction: Copy the letter of the correct answer.

1. Which parts of the plant make food?

- A. leaves
- B. root
- C. stem

2. Which part of the plants holds the seeds?

- A. fruit
- B. flower
- C. leaves

3. Which part of the plant gets water from the soil?

- A. branches
- B. roots
- C. stems

4. Which part of the plant becomes the fruit?

- A. flower
- B. roots
- C. stem

5. Which part of the plant holds the leaves?

- A. flower
- B. leaves
- C. trunk/stem

LOOKING BACK TO MY LESSON

Directions:

Write **YES** if the sentence is correct and **NO** if not.

_____ 1. Do animals need water?

_____ 2. Do animals need a place to stay?

_____ 3. Do animals need clothing?

_____ 4. Do animals need food?

_____ 5. Do animals need air.

INTRODUCTION

Plants are also living things like human and animals. Plants can be found anywhere. It makes our surroundings green and beautiful. We can get many things from the plants.

Lesson 1

Name Plants that are Common in the Locality

Different kinds of plants grow in different places. Let's name some common plants found in our locality.



Sampaguita



poinsettia



cactus



orchids



Aloe vera



Pakpak lawin



Mango tree



Papaya plant



Lanzones tree



Coconut tree



Banana plant



Narra tree



ampalaya



okra



Malunggay

ACTIVITY 2

- I. **Objective:** Name plants that are common in the locality.
- II. **Title:** "Plants Around Us"
- III. **Problem:** What are the plants common in the locality?
- IV. **What to use:** pencil and notebook
- V. **What to do:** Ask the help of your parents or an elder.

The pictures below are common plants in your surroundings. You will name and describe the plants according to what you see. Follow the pattern below.

Write your answer in your notebook.



1.



2.

I saw a _____ (plant)

It is _____ (color)

It is _____ (size)

It has a _____ (leaves/flowers)

It makes our surrounding beautiful.

VI. Critical thinking questions.

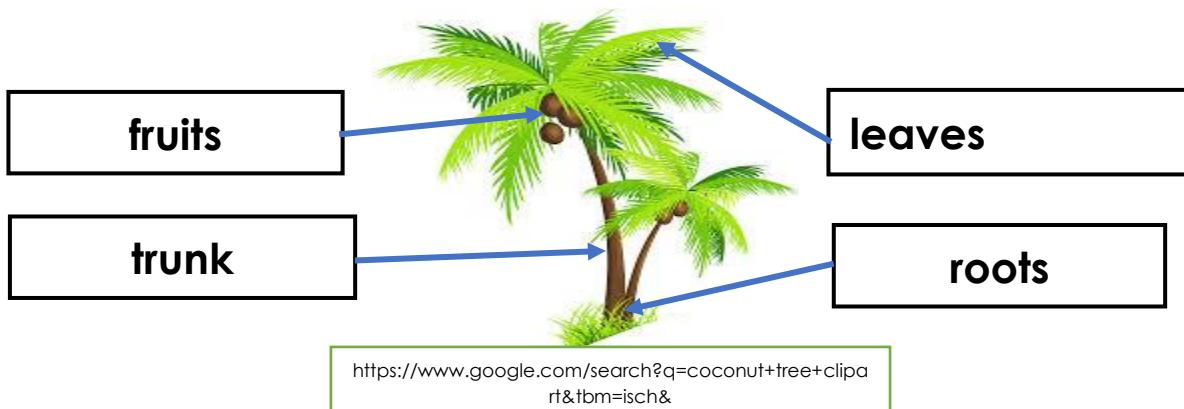
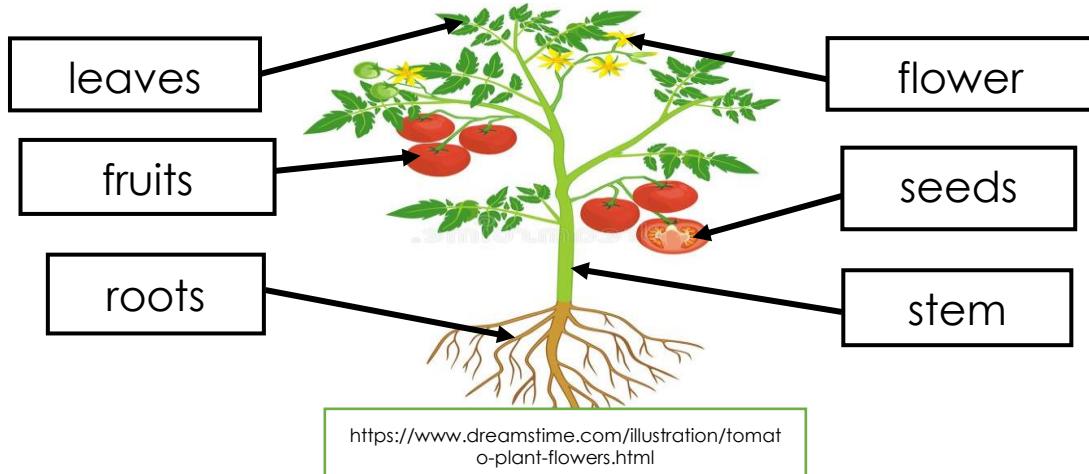
1. Give 5 plants you see in your locality.

2. If you have plants at home, how do you take care of them?

Lesson 2

Parts of the Plant

Plants have different parts. Let's name them.

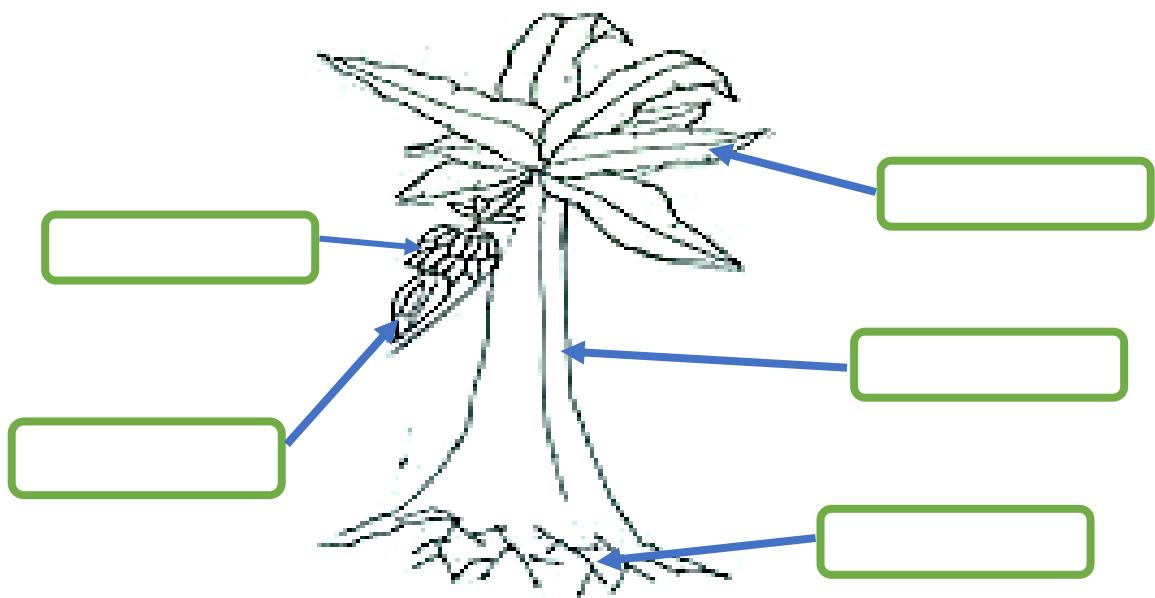


The tomato plant is a small plant. It has roots, stem, leaves, flowers, seeds, and fruits.

The coconut tree is a big plant. It has roots, trunk, leaves, flowers, and fruits.

ACTIVITY 2

- I. **Objective:** Identify the different parts of the plant.
- II. **Title:** "Color and Name My Parts"
- III. **Problem:** What are the different parts of the Plant
- IV. **What to use:** crayon, pencil
- V. **What to do:** (Ask parent or an elder to assist you)
Label and color the parts of the plant.



VI. Critical Thinking Question

1. What are the parts of the plant?

<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	

2. Do you think all plants have the same parts?

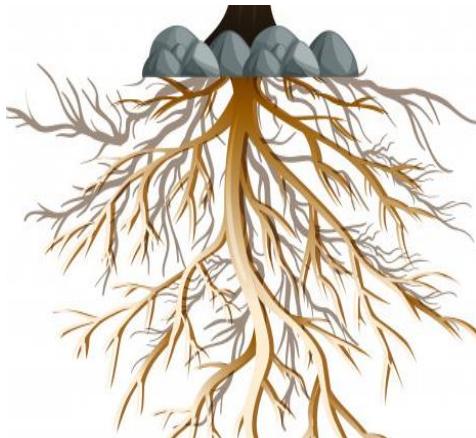
Why? Why not?

Lesson 3

The Work of Plant Parts

Each part of a plant has work to do.

1. Roots



The roots hold the plant in the soil. Plants can stand upright because of their roots. The soil gets water and mineral to the roots.

Most of the roots are brown, some are green, while others are white.

2. Stem

Stems connect the roots to the leaves of a plant. They hold the leaves and the flowers. Stem carry water and minerals from the roots to the different parts of the plant.



3. Leaves



The leaves are where food making in plants take place. Photosynthesis is the process wherein plants can make their own food. This is also the part where the plants store their food.

4. Flowers

Flowers make plants beautiful. They are the accessory of the plant. When the flower is fertilized, it will become fruit. The flower has nectar which insects such as butterflies and bees use as food.



5. Fruits



The fruit is the part of the plant that contains the seed. The seed becomes a baby plant that sprouts from the seed. The baby plant will develop into a full-grown plant.

There are bigger plants called trees. Trees have similar parts with a plant except with the stem. A tree has larger and harder stem called trunk. The trunk is covered by a bark. (Junio, A.J. et al. 2016 p.99).

ACTIVITY 3

- I. **Objective:** Identify the function of the parts of the plant.
- II. **Title:** “Guess What!”
- III. **Problem:** Which part of the plant does the following work.
- IV. **What to use:** crayon (green color)

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

Using your green color connect the parts and each work of the plant.

Directions: Match the part of the plant to its function.

Write the letter in the blank.



_____1.

A. Make food for the plant



_____2.

B. Beautifies our home



_____3.

C. get water and nutrient from the soil.



_____4.

D. used as food



_____5.

E. carries water to the leaves

VI. Critical thinking Questions

1.What are the works of each part of the plant?

2.What happened to plants if their parts were not taken cared of.

Lesson 4

Explain that the absence of some plant parts affect their survival.

What do most of the plants have?

What happened to some plants if their parts were not been taking care of? Does it affect their survival?



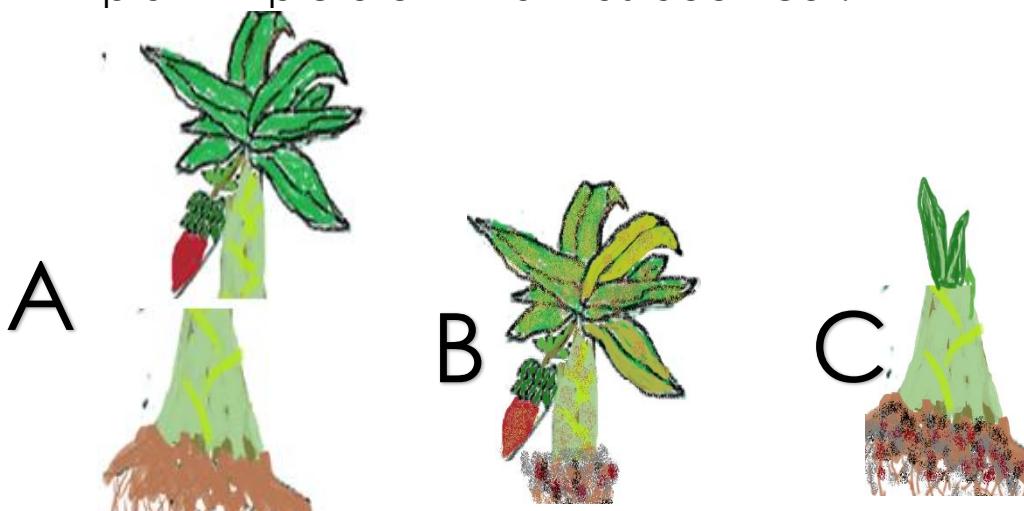
The papaya plant was rooted to the ground. They have leaves, stems, and fruits. If you unroot the papaya plant to the ground it will affect their survival. They will not grow and bear fruits.

Damaged roots can cause buds and twigs to immediately die, weakening the **plant**. The weakened **plant** may then begin to show decline symptoms such as lack of vigor and reduced

growth. **Plants** with **damaged roots** show symptoms on the side of the **plant** where **roots have been** severed.

ACTIVITY 4

- I. Objective: Explain that the absence of some plant parts affect their survival.
- II. Title: "Take Care of Me"
- III. Problem: What happened to the plant if their parts were destroyed?
- IV. What to use: notebook and pencil
- IV. What to do:
 1. Look at the plant in picture A that has been cut into two.
 2. Observe plant in picture B. It is the upper part of plant in picture A that has been planted.
 3. Observe plant in picture C. It is the lower part of plant in picture A that has been cut.



Put if the statement is correct and if not.

1. Plant in picture B will grow well.
2. Plant in picture C will grow and survive.
3. The leaves become healthy in picture C.
4. Plant without roots will die.
5. Plants with roots will regrow leaves.

IV. Critical thinking questions

What will happen to the plant if the root parts are missing?

REMEMBER

- There are many plants found in our locality.
- Most plants have roots, stems and leaves.
- Some plants have flowers and fruits.
- Roots get water and food from the soil.
- The stem holds the leaves. It carries water and food from the roots to the leaves.
- Leaves make food for the plant.
- Some flowers become fruits.
- There are land plants and water plants.
- Some plants are aerial.

CHECKING YOUR UNDERSTANDING

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

- _____ 1. A plant has different parts.
- _____ 2. All plants have fruits.
- _____ 3. All plants have flowers.
- _____ 4. All plants have roots.
- _____ 5. The three main parts of the plant are the roots, stem or trunk and leaves.

POST TEST

Direction: Write the letter of the correct answer.

1. The _____ get water, minerals from the soil.
A. fruits B. leaves C. roots D. stem

2. The _____ make food for the plant.
A. fruits B. leaves C. roots D. stem

3. The _____ plant is a tree.
A. banana B. coconut C. eggplant D. upo

4. Which part of the plant becomes the fruit?
A. flower B. roots C. stem D. leaves

5. Not all plants have seeds. This sentence is _____.
A. true B. false C. neither D. all

REFLECTIVE LEARNING SHEET

Name: _____

PARTS OF THE PLANT **Reflective Learning Sheet**

Directions: Write a reflective learning ON THE DIFFERENT PARTS OF A PLANT by answering the questions inside the box. You can express your answers in a complete and creative presentation. You can do it! Wish you SUCCESS!

I want to explain how ...

To begin with....

Finally,

ANSWER SHEETS

Name: _____ Section: _____

Lesson 1

Pre-Test

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

Looking back to your lesson

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

Activity 1

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

Critical Thinking

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

1. _____
2. _____

Critical Thinking

Lesson 2

Activity 2

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

1. _____
2. _____

Lesson 3

Activity 3

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

Critical Thinking

1. _____
2. _____

Lesson 4

Activity 4

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

Critical Thinking

Checking Your Understanding

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

Post-Test

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

ANSWER KEY

Name: _____ Section: _____

Lesson 1

Pre-Test

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

Looking back to your lesson

- 1.YES
2. YES
3. NO
- 4.YES
5. YES

Activity 1



I saw a rose plant.
It is red.
It is small plant.
It has leaves and flowers.
It makes our surrounding beautiful.

Critical Thinking

1. orchids
2. mayana
- 3.coconut tree
- 4.sampaguita
- 5.mango tree

- 1.I will water them everyday
- 2.I will put fertilizer to the plant.

Critical Thinking

Lesson 2

Activity 2

- 1.roots
- 2stem
- 3.fruit
- 4.leaves/trunk
- 5.seeds

roots

leaves

stem

flowers

fruits

1Not all plants have the same parts. Some plants do not have flowers and fruits.

Lesson 3

Activity 3

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

Critical Thinking

The parts of the plant are roots it get water from the soil. Stem -carries water from the roots to the leaves. Leaves make food for the plants. Flower make the plants beautiful. It makes seeds. Fruits Protect the seeds. Seeds become new plant

Lesson 4

Activity 4

- 1. X
- 2. ✓
- 3. ✓
- 4. ✓
- 5. ✓

Critical Thinking

The plants affect their survival if the parts of the plant was affected or dying. The stems becomes yellowish and also the leaves.

Checking Your Understanding

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

Post-Test

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

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