



## What Is This Module About?

Look around you. Plants are everywhere. What would life be without them? What do you call plants that live on land? How about those that live in water and in air? How important are plants to us?

You will find the answers to these questions in this module. You will learn where plants live and how useful they are to us.

This module is divided into three lessons:

Lesson 1 – *Where Do Plants Live?*

Lesson 2 – *Uses of Plants*

Lesson 3 – *Some Common Medicinal Plants*



## What Will You Learn From This Module?

After studying this module, you should be able to:

- ◆ identify different kinds of plants;
- ◆ classify plants according to where they live;
- ◆ discuss the uses and importance of plants to man; and
- ◆ identify common medicinal plants.



## Let's See What You Already Know

Before you start studying the module, answer the following questions to find out what you already know about the topic. Encircle the letter that corresponds to the correct answer.

- Which of the following lives in water?
  - mango
  - santan
  - kangkong
  - orchids
- Which of the following is NOT an ornamental plant?
  - orchids
  - onion
  - ilang-ilang
  - sampaguita
- Which is used in making garlands or necklaces?
  - sampaguita
  - kangkong
  - santan
  - camia
- Which of the following is used for building houses?
  - gumamela
  - narra
  - water lily
  - pineapple
- Most fruit salads have:
  - apples
  - garlic
  - ilang-ilang
  - potatoes
- Which is a good medicine for sore throat?
  - tomato
  - onion
  - garlic
  - ginger

7. Which is a good medicine for cough?
  - a. ginger
  - b. yerba buena
  - c. oregano
  - d. garlic
8. Which can cure toothache?
  - a. yerba buena
  - b. gumamela
  - c. garlic
  - d. oregano
9. Which of the following lives in air or on the branches of trees?
  - a. onion
  - b. orchids
  - c. potatoes
  - d. santan
10. Which of the following lives on land?
  - a. lotus
  - b. kangkong
  - c. carrots
  - d. orchids

Well, how was it? Do you think you fared well? Compare your answers with those in the *Answer Key* on page 25.

If all your answers are correct, very good! This shows that you already know much about the topics in this module. You may still study the module to review what you already know. Who knows, you might learn a few more new things as well.

If you got a low score, don't feel bad. This means that this module is for you. It will help you understand some important ideas that you can use in your daily life. If you study this module carefully, you will learn the answers to all the items in the test and a lot more! Are you ready?

You may now go to the next page and begin Lesson 1.

## Where Do Plants Live?

Look around you! Are there any plants in your surroundings? Are there plants growing in pots and backyards? Where else can you find plants? You can find plants in different places. In this lesson, you will learn where plants live and grow. You will also learn about the different classes or kinds of plants according to where they live and grow.



### Let's Study and Analyze

Look at the picture below. Can you identify some of the plants? Name them.



1. \_\_\_\_\_  
\_\_\_\_\_

Plants grow in different places. They grow on land, in water or in air.

**Terrestrial plants** live on land. Examples are mango trees, cabbages and carrots. Which plants in the picture are terrestrial plants? Write your answers in the space below.

2. \_\_\_\_\_  
\_\_\_\_\_

Some plants live in water. They are called **aquatic plants**. Kangkong is an example. Can you identify the aquatic plants in the picture? Write your answers in the space below.

3. \_\_\_\_\_  
\_\_\_\_\_

**Aerial plants** live in air. Orchids are **aerial plants** because they live in air. They often hang from trees. Can you identify the aerial plants in the picture? Write your answers in the spaces below.

4. \_\_\_\_\_  
\_\_\_\_\_

Compare your answers with those in the *Answer Key* on page 26.



### Let's Try This

A. Which of the plants in the box belong together? Copy them under the correct plant group on page 6.

water lily	atis	tomato	lotus
kangkong	green ivy	narra	orchids

1. Terrestrial or Land Plants

a. \_\_\_\_\_

b. \_\_\_\_\_

c. \_\_\_\_\_

2. Aquatic or Water Plants

a. \_\_\_\_\_

b. \_\_\_\_\_

3. Aerial or Air Plants

a. \_\_\_\_\_

b. \_\_\_\_\_

B. Draw a plant for each class or kind (terrestrial, aquatic and aerial). Above each drawing, write its appropriate class or kind. Below the drawing, write its correct name (example: kangkong, sampaguita, etc.)

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1. -----

2. -----

3. -----

Compare your answers with those in the *Answer Key* on page 26. For your drawings in part B, show them to your Instructional Manager for comments.



## Let's Remember

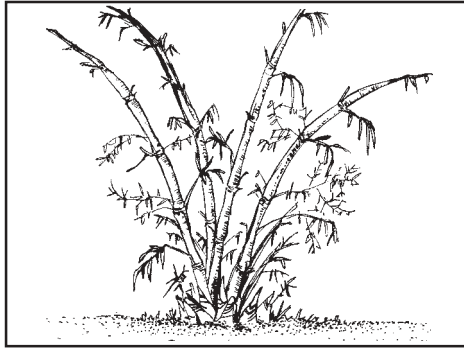
In this lesson, you learned that:

- ◆ **Terrestrial plants** live on **land**.
- ◆ **Aquatic plants** live in **water**.
- ◆ **Aerial plants** live in **air**.



## Let's See What You Have Learned

Study the pictures below. Name each plant and write whether it is a terrestrial or land, an aquatic or water, or an aerial or air plant. Write your answers in the spaces provided.



1. \_\_\_\_\_  
\_\_\_\_\_



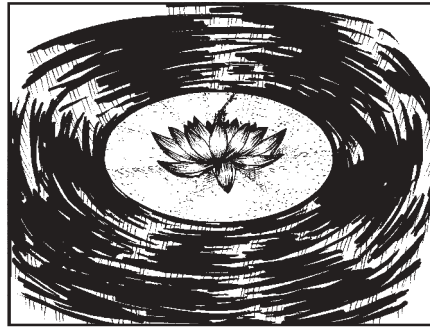
2. \_\_\_\_\_  
\_\_\_\_\_



3. \_\_\_\_\_  
\_\_\_\_\_



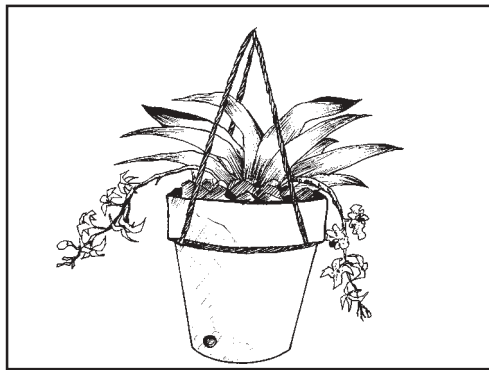
4. \_\_\_\_\_  
\_\_\_\_\_



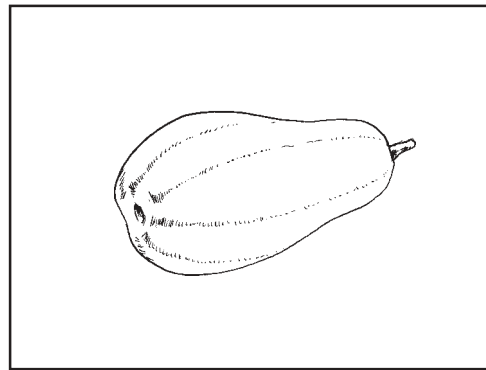
5. \_\_\_\_\_  
\_\_\_\_\_



6. \_\_\_\_\_  
\_\_\_\_\_



7. \_\_\_\_\_  
\_\_\_\_\_



8. \_\_\_\_\_  
\_\_\_\_\_



9. \_\_\_\_\_  
\_\_\_\_\_

Compare your answers with those in the *Answer Key* on page 27.

Well, how was it? Were you able to get all the right answers? If you did, very good! If not, you may ask your Instructional Manager to help you understand this lesson better.



## Uses of Plants

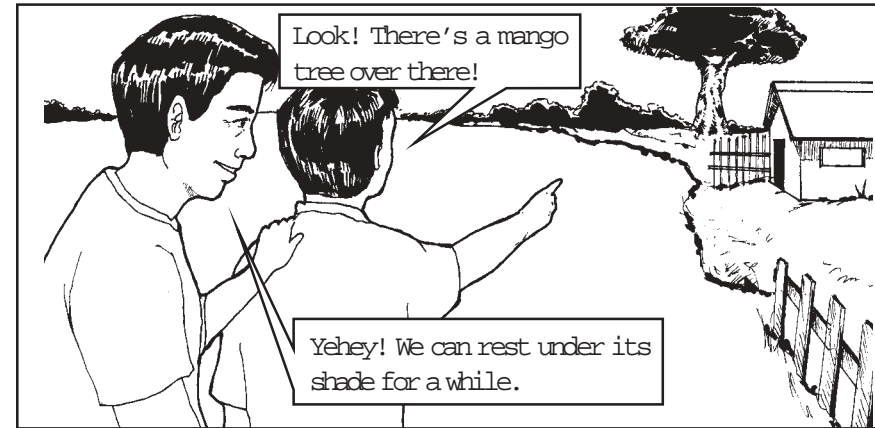
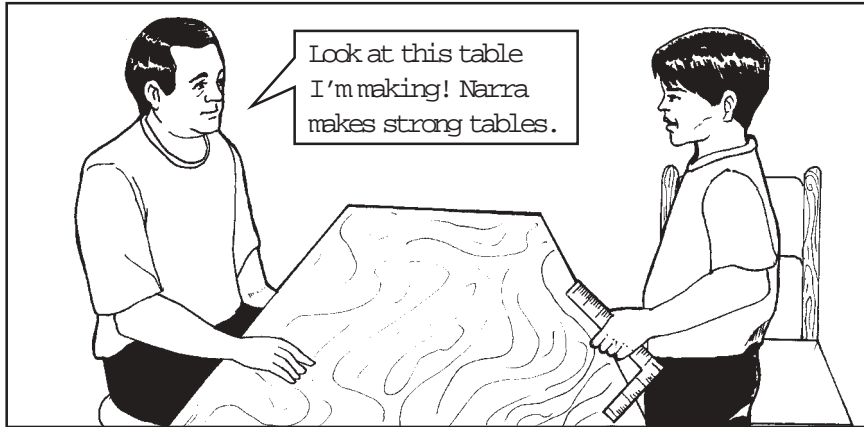
Do you eat vegetables? What are your favorite vegetables? These vegetables come from plants. Most plants are used for food. Aside from this, plants have different uses. In this lesson, you will learn about the different uses of plants. After studying this lesson, you should be able to discuss the importance of plants in our lives.



### Let's Read

Read the following comic strips. Find out the uses of plants.







## Let's Talk About This

What uses of plants are shown in the comic strips? Write your answers in the space below.

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_

Compare your answers with those in the *Answer Key* on page 27.



## Let's Study and Analyze

Plants have different uses. Most plants are used for food. We need them to live and stay healthy. What did you eat today that came from plants? Name other plants where food can be derived or obtained.

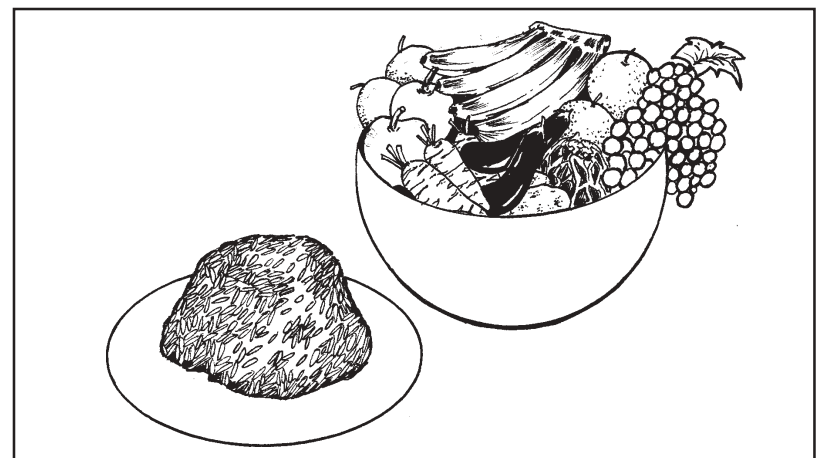
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Some plants help make our surroundings beautiful. These are called **ornamental plants**. They are used for decoration. People often put ornamental plants in vases. They plant them in pots and gardens. Some of their flowers are made into garlands or necklaces. Can you name some flowers that are made into garlands?

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Look at your tables, chairs, and cabinets. Most of your furniture are made of wood. Strong wood often comes from trees like narra and kamagong. Big trees make good building materials. Many people use wood to build houses. Name some other trees that are sources of building materials.

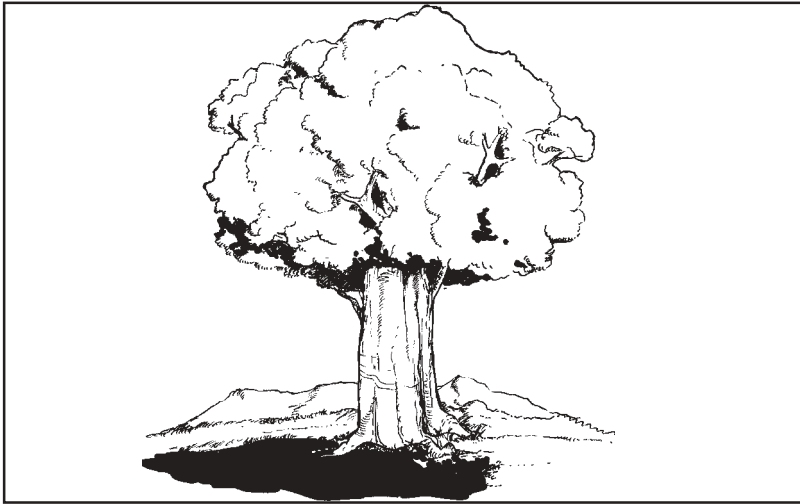
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Big trees give us shade. Acacia trees give good shade. It's fun playing under big trees. It is nice and cool under them. What other trees provide good shade?

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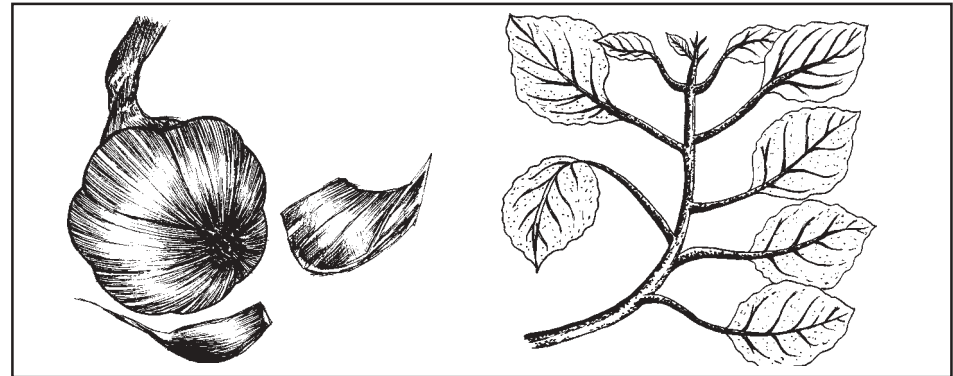
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Plants can also be used as medicine. Garlic is good for toothache. The water from boiled oregano leaves can cure cough. In the next lesson you'll learn more about plants that can be used as medicine. What other plants are used as medicines?

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Can you give other uses of plants?

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Show your answers to your Instructional Manager for comments.



## Let's Try This

Group the following plants according to their uses. Copy each under the correct title.

sampaguita	acacia	garlic	mahogany
beans	coconut	santan	ginger
kamagong	orchid	rice	oregano

### For Decoration

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

### For Medicine

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

### For Buildings and Furniture

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

### For Food

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

Compare your answers with those in the *Answer Key* on page 28.



## Let's Remember

In this lesson, you learned that plants have many uses:

- ◆ Most plants are used for **food**.
- ◆ **Ornamental plants** make our homes and surroundings **beautiful**. Flowers do, too.
- ◆ **Wood** from some big trees is used for **buildings** and **furniture**.
- ◆ Big trees give **shade**.
- ◆ Some plants are used as **medicine**.

In the next lesson, you will learn how to use common plants as medicine.

# ? Let's See What You Have Learned

Look at the plants in the pictures. Complete the sentences below by picking any of the words in the box and placing them on the appropriate blank provided in each number.

fever	cough	aquatic	ornamental	beautiful
high	shade	mango	food	drink

1. Sunflowers are \_\_\_\_\_ plants.  
They are \_\_\_\_\_.



2. Water from boiled oregano leaves can help cure \_\_\_\_\_.



3. I love fruits. They are my favorite \_\_\_\_\_.



4. Big trees make great \_\_\_\_\_. I would like to rest under a \_\_\_\_\_ tree.

Compare your answers with those in the *Answer Key* on page 28.

Well, how was it? Did you get all the answers correct? If you did, very good! If not, you may ask your Instructional Manager to help you understand this lesson better.

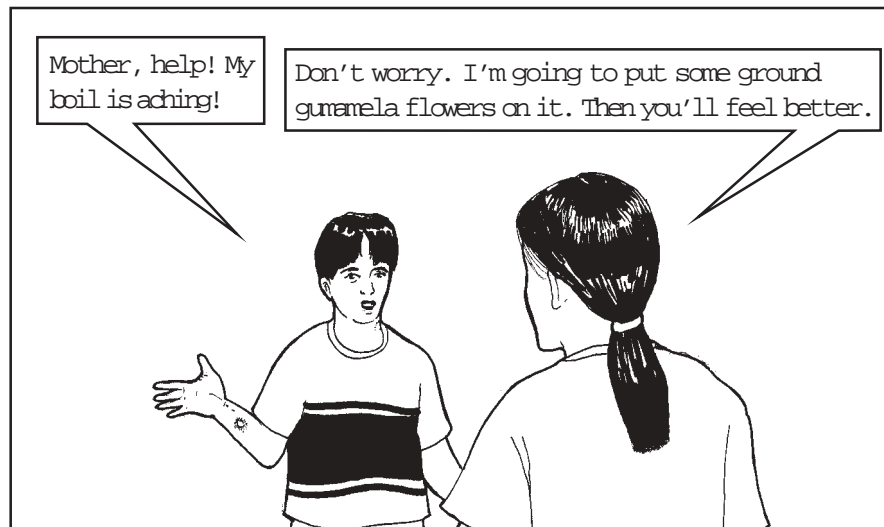
## Some Common Medicinal Plants

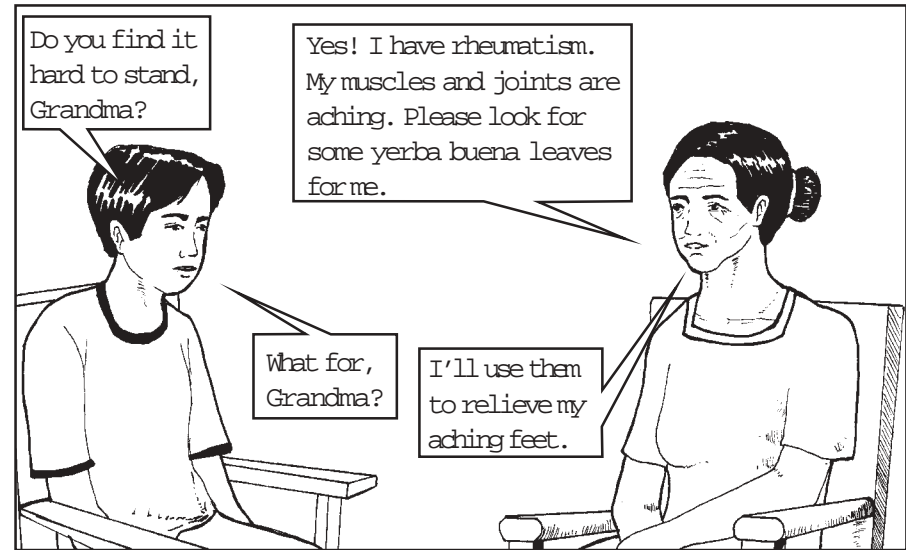
In the previous lesson, we talked about the uses of plants. You learned that there are plants that are used as medicine. They are called **medicinal plants**. You will learn more about common medicinal plants in this lesson. You will learn what illness they can cure. After reading this lesson, you will surely learn to appreciate the value of plants more.



### Let's Read

Study the following picture stories. They tell about different situations showing how medicinal plants are used to treat common illness.







## Let's Think About This

What medicinal plants have been mentioned in the picture stories? Write them in the left column of the table below. Opposite each medicinal plant (in the right column), write what illness it can cure.

Medicinal Plant	
1.	
2.	
3.	
4.	
5.	
6.	

Compare your answers with those in the *Answer Key* on page 29.



## Let's Try This

Do you know other plants that can be used as medicine? Make a list of them. Indicate opposite each what illness it can cure. Ask your parents, relatives or neighbors about medicinal plants they know. Show your list to your Instructional Manager for comments.



## Let's Remember

In this lesson, you learned that medicinal plants are useful to man. They help cure illnesses or diseases.



## Let's See What You Have Learned

Match the illness with the right medicinal plant. Write the letter that corresponds to the correct answer on the blank provided before each number.

### Illness

- \_\_\_\_\_ 1. cough
- \_\_\_\_\_ 2. asthma
- \_\_\_\_\_ 3. boils
- \_\_\_\_\_ 4. rheumatism
- \_\_\_\_\_ 5. toothache

### Medicinal Plants

- a. gumamela
- b. oregano
- c. calamansi
- d. garlic
- e. yerba buena

Check your answers with those in the *Answer Key* on page 29.

Well, how was it? Were you able to get all the right answers? If you did, very good! If not, you may ask your Instructional Manager to help you understand this lesson better.



## Let's Sum Up

In this module, you learned that plants live and grow in different places. They are also classified according to where they live and grow. There are three classes or kinds of plants. These are:

- ◆ terrestrial plants or those that live on land;
- ◆ aerial plants or those that live in air or on branches of trees; and
- ◆ aquatic plants or those that live in water.

Plants are important to us because they have many uses, such as:

- ◆ as source of food;
- ◆ for ornaments or to make our homes and surroundings beautiful;
- ◆ to be used as wood for building houses and making furniture;
- ◆ to give us shade; and
- ◆ to be used as medicine.

Plants that are used for medicine are called medicinal plants. Examples of these are:

- ◆ oregano;
- ◆ yerba buena;
- ◆ calamansi;
- ◆ garlic; and
- ◆ aregano and others.



## What Have You Learned?

Fill in each blank. Choose from the words in the box.

garlic	furniture	terrestrial	shade	cough
water	ornamental	gumamela	medicinal	orchid

1. Plants that live on land are called \_\_\_\_\_.
2. Aquatic plants live in \_\_\_\_\_.
3. An \_\_\_\_\_ is an aerial plant.
4. The plants that help beautify our homes and surroundings are \_\_\_\_\_.
5. Narra and acacia are used to make \_\_\_\_\_.
6. Big trees like mango give good \_\_\_\_\_ on hot days.
7. Ground \_\_\_\_\_ leaves are used for boils.
8. Water used in boiling oregano leaves is good for \_\_\_\_\_.
9. The plants that are used to cure some illnesses and diseases are \_\_\_\_\_.
10. The plant that is good for toothache is \_\_\_\_\_.

Were you able to answer all the items? Compare your answers with those in the *Answer Key* on page 30.

If the number of correct answers you got is:

10 – 9 Very good! You've learned a lot from the module. You may now go to the next module.

8 – 7 You need to review parts of the module that you did not understand.

6 – 0 You should study the module again.





## Answer Key

### A. Let's See What You Already Know *(pages 2–3)*

1. (c) Kangkong is the only aquatic plant among the choices. Mango and santan are terrestrial plants. Orchids are aerial plants.
2. (b) Garlic is not used as a decoration. Orchids, ilang-ilang and sampaguita are all ornamental plants.
3. (a) Among the four plants, sampaguita flowers are often made into garlands or necklaces.
4. (b) Narra is the only tree among the four choices. So, it is the only one that can be used as a building material.
5. (a) Apples are often used in fruit salads. Garlic, ilang-ilang, and potato are not fruits. You'll never find them in fruit salads.
6. (d) Ginger is used to relieve sore throats. Tomato and onion are not known for their medicinal uses. Garlic is used to relieve toothache.
7. (c) The water used in boiling oregano leaves helps cure cough. Ginger is used for sore throats. Ground yerba buena leaves are used to relieve pain from rheumatism. Garlic is a cure for toothache.
8. (c) Garlic helps relieve toothache. Yerba buena relieves pain from rheumatism. Gumamela flowers are for boils. Water from oregano leaves is used to cure cough.
9. (b) Orchids are the only aerial plants among the choices. Onion potatoes and santan are terrestrial plants or plants that live on land.
10. (c) Carrots are terrestrial plants or plants that live on land. Lotus and kangkong are aquatic plants. Orchids are aerial plants.

## B. Lesson 1

*Let's Study and Analyze (pages 4–5)*

1. trees (acacia tree, mango tree), rose bush, grass, water lilies, orchids, vines, green ivy
2. trees (acacia tree, mango tree), rose bush, grass
3. water lilies
4. orchids, vines, green ivy

*Let's Try This (pages 5–6)*

- |                                  |                         |
|----------------------------------|-------------------------|
| A. 1. Terrestrial or Land Plants | 3. Aerial or Air plants |
| a. atis                          | a. green ivy            |
| b. tomato                        | b. orchids              |
| c. narra                         |                         |
| 2. Aquatic or Water Plants       |                         |
| a. water                         |                         |
| b. lotus                         |                         |
- B. Show your drawings to your Instructional Manager for comments.

*Let's See What You Have Learned (pages 7–8)*

- |   |  |   |
|---|--|---|
| 1. bamboo<br>terrestrial or land plant  | 2. kangkong<br>aquatic or water plant  | 3. green ivy<br>aerial or air plant       |
| 4. water lily<br>aquatic or water plant | 5. lotus<br>aquatic or water plant     | 6. rose bush<br>terrestrial or land plant |
| 7. orchid<br>aerial or air plant        | 8. papaya<br>terrestrial or land plant | 9. sunflower<br>terrestrial or land plant |

**C. Lesson 2**

*Let's Talk About This (page 11)*

1. Plants are used for food.
2. They make our surroundings beautiful.
3. They are used to make furnitures, like tables and chairs.
4. They give shade.
5. They are used as medicine.

*Let's Try This (page 14)*

For Decoration

1. sampaguita
2. santan
3. orchid

For Medicine

1. garlic
2. ginger
3. oregano

For Building/Making Furniture

1. acacia
2. mahogany
3. narra

For Food

1. beans
2. coconut
3. rice

*Let's See What You Have Learned (pages 16–17)*

1. ornamental  
beautiful
2. cough

3. food
4. shade  
mango

## D. Lesson 3

*Let's Think About This (page 20)*

<i>Medicinal Plant</i>	
1. gumamela flowers	- boils
2. sambong leaves	- fever
3. oregano leaves	- cough
4. yerba buena leaves	- rheu
5. garlic	- tooth
6. calamansi leaves	- asthr

*Let's See What You Have Learned (page 21)*

- (b)** 1. The water used in boiling oregano leaves may be used to cure cough.
- (c)** 2. Calamansi leaves are boiled then, drink the water to help relieve asthma.
- (a)** 3. Ground gumamela flower helps to cure boils.
- (e)** 4. Yerba buena leaves may be used to relieve pain caused by rheumatism.
- (d)** 5. Garlic helps cure toothache.

## E. What Have You Learned? (page 23)

Give yourself one point for every correct answer.

1. terrestrial
2. water
3. orchid
4. ornamental
5. tables
6. shade
7. gumamela
8. cough
9. medicinal
10. garlic



## Glossary

**Aerial** Lives in air or on the branches of trees

**Asthma** An illness in which a person cannot breathe easily

**Aquatic** Lives in water

**Ornamental** Used as a decoration

**Rheumatism** An illness in which one feels pain in the muscles and joints (like elbows and knees).

**Terrestrial** Lives on land



## References

Lourdes, Lozano F., *et al.* *Science for Young Minds (Grade Five)*. Metro Manila, Philippines: Diwa Scholastic Press Inc., 1996.

*Gabay sa Paggamit ng 10 Halamang Gamot*. Metro Manila, Philippines: Department of Health, 1992.