

Lesson Plan

Grade: Four

Subject: Science

Term: 1st

Time: 40min

Teacher's Name: _____

Week: 3

Day: 1

Chap 1: Characteristics and Life Processes of Living Organisms

Topic: Parts of Plants and their Functions

Students Learning Outcomes

At the end of this period, the students will be able to:

- Identify parts of a plant (leaves, stem, flowers, seeds and roots).
- Relate the structures of plants to their functions (i.e., roots absorb water and nutrients, anchor the plant, leaves make food, the stem transports water and food, flowers produce seeds, and seeds produce new plants).

Resource Materials:

Chalk/marker, white/blackboard, Flashcards, Science Textbook, Worksheet

Warm-up Activities

5mins

- Before beginning the lesson, ask students to say "Tasmiya."
- Ask them: What are the functions of bones? Define skeleton?
Take their responses and appreciate if they give correct answer?

Teaching and Learning Activities:

25mins

- Write "**Parts of plants and their Functions**" on the board.
- Bring a flowerpot to the classroom. Explain different parts of the plants with the help of this flowerpot.
- Tell students all flowering plants have roots, stem, leaves, flowers and fruits. Each part has a specific function to perform.
- Write 'Roots' on the board.
- Show students flashcards of different roots.
- Ask students, what anchors the plants in soil?
- Tell students, roots are underground part of plant. They anchor the plants in the soil, also absorb water and nutrients from soil.
- Some plants store food in their roots.

Activities:

- Ask students to collect pictures of different types of roots and paste them on chart paper.

Review:

3mins

Recall the main points about major structures of plants. Explain the function of roots as well.

Evaluation:

5mins

To evaluate the understanding of students, ask them:

- What are the major parts of plants?
- What is the function of roots in plants?

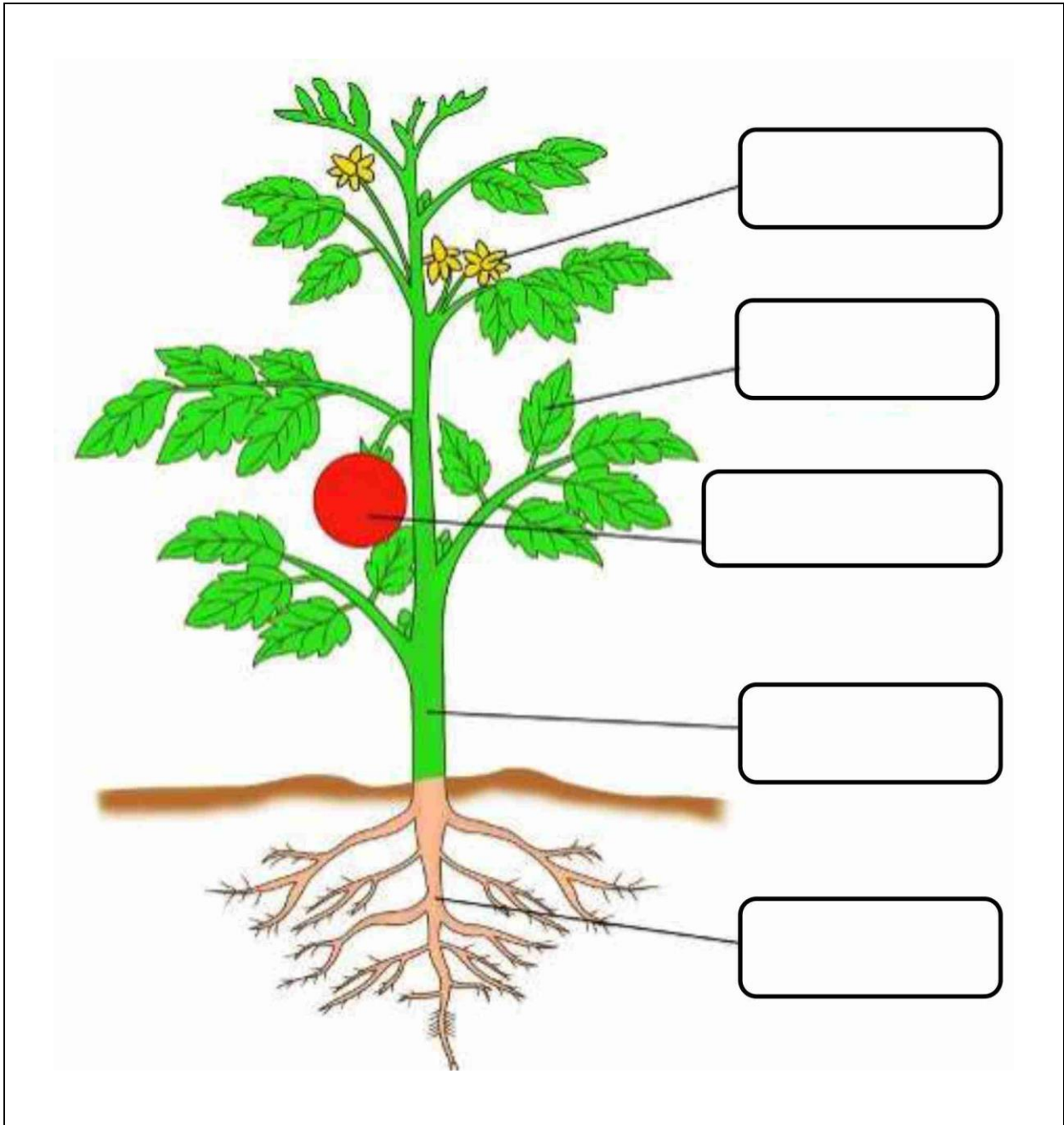
Homework:

2mins

Solve the worksheet.

Worksheet

➤ Label the major structures of the plant.



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Teacher's Name: _____

Week: 3

Day: 2

Chap 1: Characteristics and Life Processes of Living Organisms

Topic: Stem and Leaves

Students Learning Outcomes

At the end of this period, the students will be able to:

- Relate the structure of plants to their functions (i.e., roots absorb water, nutrients, and anchor the plant, leaves make food, the stem transports water and food, flowers produce seeds and seeds produce new plants).

Resource Materials:

Chalk/marker, white/blackboard, Science Textbook

Warm-up Activities

5mins

- Before beginning the lesson, ask students to say "Tasmiya."
- Ask them: What are the roots? What are their functions? Wait for their responses.

Teaching and Learning Activities:

25mins

- Tell students today they are going to learn the part of plant called "stem".
- Now write "**Stems**" on the board.
- Now asks students: What holds the plant upright in the air?
- Tell students, stem grows above the ground.
- Ask students, what do they think except holding plants upright. What are other functions of stem?
- Tell them the stem provides support to plants above the ground.
- It is used to transport food and water to different parts of a plant.
- Read the lesson topic "Leaves".
- Leaves are sites, where food is prepared for plants.
- Ask them, what is the most abundant and visible part of plants? How do they make their food?
- Why the color of leaves is green?
- Take their response and appreciate if they give correct answers.
- Tell students chlorophyll is a substance, that helps the plant to prepare food.
- Tell them as plants are living things so exchange of gases takes place.

Activities:

Do activity 1.8 and 1.9 in classroom.

Review:

3mins

Recall the main points of lesson.

Evaluation:

5mins

To evaluate the understanding of students, ask them:

- What are functions performed by stem?
- How do plants prepare their food?

Homework:

2mins

Revise the classwork.

Lesson Plan

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Teacher's Name: _____

Week: 3

Day: 3

Chap 1: Characteristics and Life Processes of Living Organisms

Topic: Flower and Seeds

Students Learning Outcomes

At the end of this period, the students will be able to:

- Relate the structure of plants to their functions (i.e., roots absorb water and nutrients, and anchor the plant, leaves make food, the stem transports water and food, flowers produce seeds and seeds produce new plants).

Resource Materials:

Chalk/marker, white/blackboard, Flashcards, Science Textbook

Warm-up Activities

5mins

- Before beginning the lesson, ask students to say "Tasmiya".
- Ask them: What are the roles of leaves in plants? Take their responses and appreciate them for their correct answer.

Teaching and Learning Activities:

25mins

- Tell students today they are going to learn flowers and seeds.
- Tell students flowers are a colorful part of a plant.
- Show flashcards of different flowers to the students.
- Because of their color, they attract birds, insects and animals.
- These birds, insects and animals transfer their pollen to other plants and help in pollination.
- Now write "Seeds" on the board.
- Tell them flowers usually grow into seeds and fruits. Seeds grow into new plants.
- Some fruits contain one seed and some contain many seeds.
- We get oil from some seeds like soybean, sesame, sunflower.

Activity:

- Collect the pictures of seed used as food.

Review:

3mins

Recall the main points about flowers and seeds.

Evaluation:

5mins

To evaluate the understanding of students, ask them:

- What are flowers?
- What is the role of flowers in plants?

Homework:

2mins

Revise the classwork.

Lesson Plan

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Teacher's Name: _____

Week: 3

Day: 4

Chap 1: Characteristics and Life processes of Living Organisms

Topic: Exercise

Students Learning Outcomes

At the end of this period, the students will be able to:

- Solve exercise.

Resource Materials:

Chalk/marker, white/blackboard, Science Textbook

Warm-up Activities

5mins

- Before beginning the lesson, ask students to say "Tasmiya."
- Ask them: What do you know about functions of different parts of plants? Wait for their response.

Teaching and Learning Activities:

30mins

- Tell students they are going to solve the exercise of chap 1.
- Briefly explain all topics and ask questions related to them. Wait for their responses.
- Ask students to open their textbooks at page 13 and solve the exercise.
- Check their work.

Activities:

- Ask the students to open page 15 and help the students to make the project. Help them if need.

Review:

3mins

Check students work.

Evaluation:

0mins

N/A

Homework:

2mins

Ask the students to revise chap 1.

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Week: 3

Day: 5

Chap 2: Ecosystem

Topic: Ecosystem

Objective(s):

At the end of this period, the students will be able to:

- Recognize what an ecosystem (e.g., forests, ponds, rivers, grasslands and deserts).

Resource Materials:

Chalk/marker, white/blackboard, Science Textbook

Warm-up Activities

5mins

- Before beginning the lesson, ask students to say "Tasmiya."
- Ask them: Name some living and non-living things found in your surroundings. Take their responses.

Teaching and Learning Activities:

25mins

- Write ecosystem on the board.
- Read the content on page 16.
- Ask students to write about their homes and the ways they interact with their family members and other people living there.
- Give them five minutes. Discuss what they write about.
- Tell them, ecosystem is an interaction between living and non-living things in the environment.
- Tell students in an ecosystem, living organisms and their environment linked together.
- Everything in our surrounding is a part of our environment forests, ponds, rivers, grasslands and deserts etc.
- An ecosystem can be small or big.
- Tell the examples of ecosystem.
- Show flashcards of different ecosystems to the students.

Activities:

- Collect the pictures of living and non-living components and paste them on worksheet. Help them if needed.

Review:

3mins

Tell the students the main points about ecosystem.

Evaluation:

5mins

To evaluate the understanding of students, ask them:

- What is an ecosystem?

- What are the living components of an ecosystem?
- What are the non-living components of an ecosystem?

Homework:

2mins

Revise the classwork.