

4

Learning Activity Sheet for Science

Quarter 2

Lesson

6

Worksheet for Science 4
Quarter 2: Lesson 6 (Week 6)
S.Y. 2024-2025

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LEARNING ACTIVITY SHEET

Learning Area:	Science 4	Quarter:	2nd Quarter
Lesson No.:	6	Date:	
Lesson Title/ Topic:	Life Cycle of a Butterfly		
Name:		Grade & Section:	

Activity No.1: The Life Cycle of Butterfly (60 minutes)

I. Objective: To describe and illustrate the different stages in the life cycle of a butterfly and engage in a class discussion on the growth, development, and transformation of butterflies

II. Materials Needed:

- Printed images depicting the life cycle stages of a butterfly, scissors, glue, paste, Tables 1 and 2 handouts (provided below), large sheets of poster paper or a whiteboard, markers.

III. Instructions:

- Complete Table 1 by filling in correctly the four stages in the life cycle of a butterfly.

Table 1

Stage 1	Stage 2	Stage 3	Stage 4
_____	_____	_____	_____

- Cut out the pictures and arrange them in sequence from the earliest to the latest stage, then record the stage names in Table 2.

Table 2

Stage 1	Stage 2	Stage 3	Stage 4
Picture	Picture	Picture	Picture
_____	_____	_____	_____



Source: All the pictures are taken from National Science Textbook, Grade 4, First Edition. Papua New Guinea

Discuss the growth and transformation of a butterfly.

- Where do adult butterflies come from? What are the four stages in its life cycle?
- How has this butterfly grown and changed? Describe the transformation in each stage.
- Do all insects come from caterpillars like this butterfly? Tell me more about that.

Rubrics for Presentation on Life Cycle of Butterfly

Criteria:

Knowledge & Content – 5 pts

Clarity & Organization – 5 pts

Visual Aids & Creativity – 5 pts

Delivery & Engagement – 5 pts

IV. Synthesis/Extended Practice

- What are the different stages in the life cycle of butterflies? Describe the features of each stage.

- What is the importance of butterflies in maintaining balance in the environment?

Extended Practice

Your teacher will assign homework where you can do research and report on different stages in the life cycle of grasshoppers. You will compare similarities and differences between the life cycle of butterflies and grasshoppers and report to class. You will differentiate complete metamorphosis from an incomplete metamorphoses and give examples of animals undergoing this life cycle. You may include in your research the challenges faced by butterflies in their habitat while they are growing as well as how you could help to protect them from danger and harm.

LEARNING ACTIVITY SHEET

Learning Area:	Science 4	Quarter:	2nd Quarter
Lesson No.:	6	Date:	
Lesson Title/ Topic:	Life Cycle of a Frog		
Name:		Grade & Section:	

I. Activity No.2: Life Cycle of a Frog (40 minutes)**II. Objective:**

- To describe and illustrate the different stages in the life cycle of a frog and engage in a class discussion on the growth and transformation of frog

III. Materials Needed:

- Printed images or diagrams depicting the life cycle of a frog, scissors, glue, paste, whiteboard and markers, large sheets of poster paper, chart paper with the headings "Frog Life Cycle."

IV. Instructions:

- Complete Table 1 by filling in the various stages of a frog's life cycle.

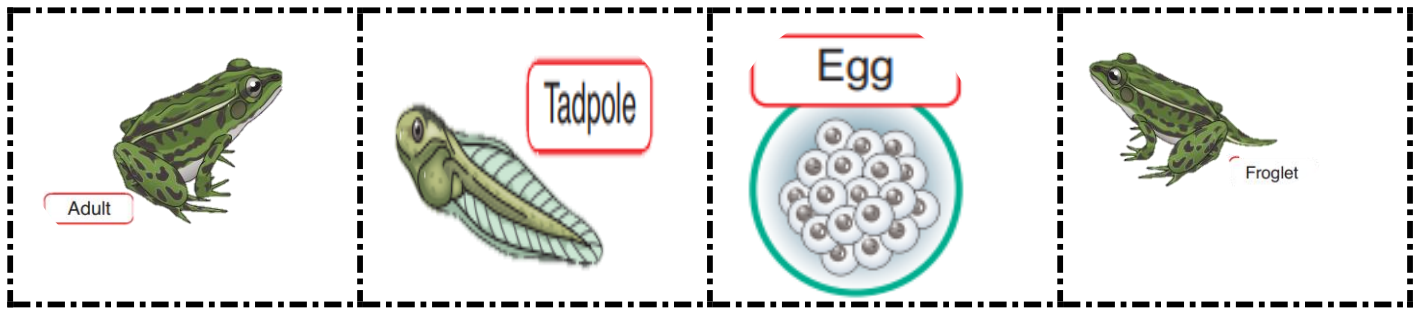
Table 1

Stage 1	Stage 2	Stage 3	Stage 4
_____	_____	_____	_____

- Cut out the pictures and arrange them in sequence from the earliest to the latest stage, then record the stage names in Table 2.
- Share your thoughts with your fellow classmates. Discuss the growth and transformation of a frog. Use the grouping in activity 2.

Table 2

Stage 1	Stage 2	Stage 3	Stage 4
Picture	Picture	Picture	Picture
_____	_____	_____	_____



* Source: Pictures taken from National Science Textbook, Grade 4, First Edition. Papua New Guinea

Discuss the growth and transformation of a frog.

- Where do adult frogs come from? What are the four stages in its life cycle?
- How has this frog grown and changed? Describe the transformation in each stage.

Rubrics for Presentation on Life Cycle of Butterfly

Criteria:

Knowledge & Content – 5 pts

Clarity & Organization – 5 pts

Visual Aids & Creativity – 5 pts

Delivery & Engagement – 5 pts

IV. Synthesis/Extended Practice

- What are the different stages in the life cycle of a frog? Describe the features of each stage.

- What are the importance of frogs in maintaining balance in the environment?

Extended Practice

Your teacher will assign homework where you can do research and report on different stages in the life cycle of a fish. You will compare similarities and differences between the life cycle of frogs and fish and report to class. Research also on the challenges faced by tadpoles and baby fish while growing up in their habitats as well as how you could help to protect them from danger and harm.

LEARNING ACTIVITY SHEET

Learning Area:	Science 4	Quarter:	2nd Quarter
Lesson No.:	6	Date:	
Lesson Title/ Topic:	Life Cycle of a Chicken		
Name:		Grade & Section:	

I. Activity No.3: Exploring the Life Cycle of Chickens (40 minutes)**II. Objective:**

- To describe and illustrate the different stages in the life cycle of a chicken and engage in a class discussion on the growth and transformation of chicken

III. Materials Needed:

- Images depicting the life cycle of chickens, scissors, glue, paste, prepared tables for recording stages, whiteboard and markers.

IV. Instructions:

- Complete Table 1 by filling in the various stages of a frog's life cycle.

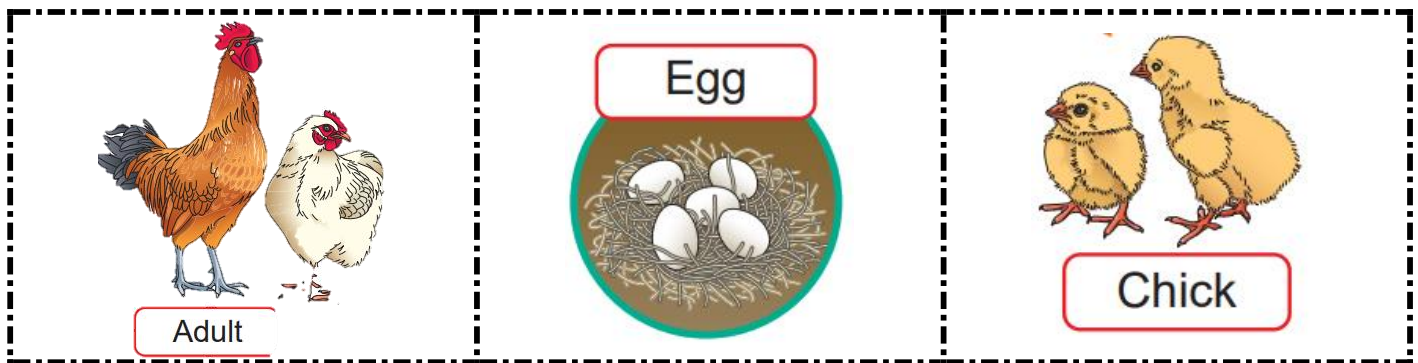
Table 1

Stage 1	Stage 2	Stage 3	Stage 4
_____	_____	_____	_____

- Cut out the pictures and arrange them in sequence from the earliest to the latest stage, then record the stage names in Table 2.
- Share your thoughts with your fellow classmates. Discuss the growth and transformation of a frog. Use the grouping in activity 2.

Table 2

Stage 1	Stage 2	Stage 3	Stage 4
Picture	Picture	Picture	Picture
_____	_____	_____	_____



V. Synthesis/Extended Practice

- What are the different stages in the life cycle of a chicken? How does a chicken develop from an egg?

- Are chickens important for humans? Give examples on how humans benefit from chickens particularly in agriculture and food production? What should we do to take care of them?

Extended Practice

Your teacher will assign homework where you can do research and report on different stages in the life cycle of your favorite bird. You will compare similarities and differences between the life cycle of chickens and your favorite bird and report to class. You may include in your research the challenges faced by chickens and your favorite bird in their habitat while they are growing as well as how you could help to protect them from danger and harm.

LEARNING ACTIVITY SHEET

Learning Area:	Science 4	Quarter:	2nd Quarter
Lesson No.:	6	Date:	
Lesson Title/ Topic:	Life Cycle of Human		
Name:		Grade & Section:	

I. Activity No.4: Exploring the Human Life Cycle (40 minutes)**II. Objective:**

- To describe and illustrate the different stages in the life cycle of humans and engage in a class discussion on the growth and transformation of humans, recognizing the physical characteristics that occur from infancy to old age.

III. Materials Needed: Images depicting the stages of the human life cycle, scissors , glue, paste, prepared tables for recording stages, whiteboard and markers.

IV. Instructions:

- Complete Table 1 by filling in the various stages of a frog's life cycle.

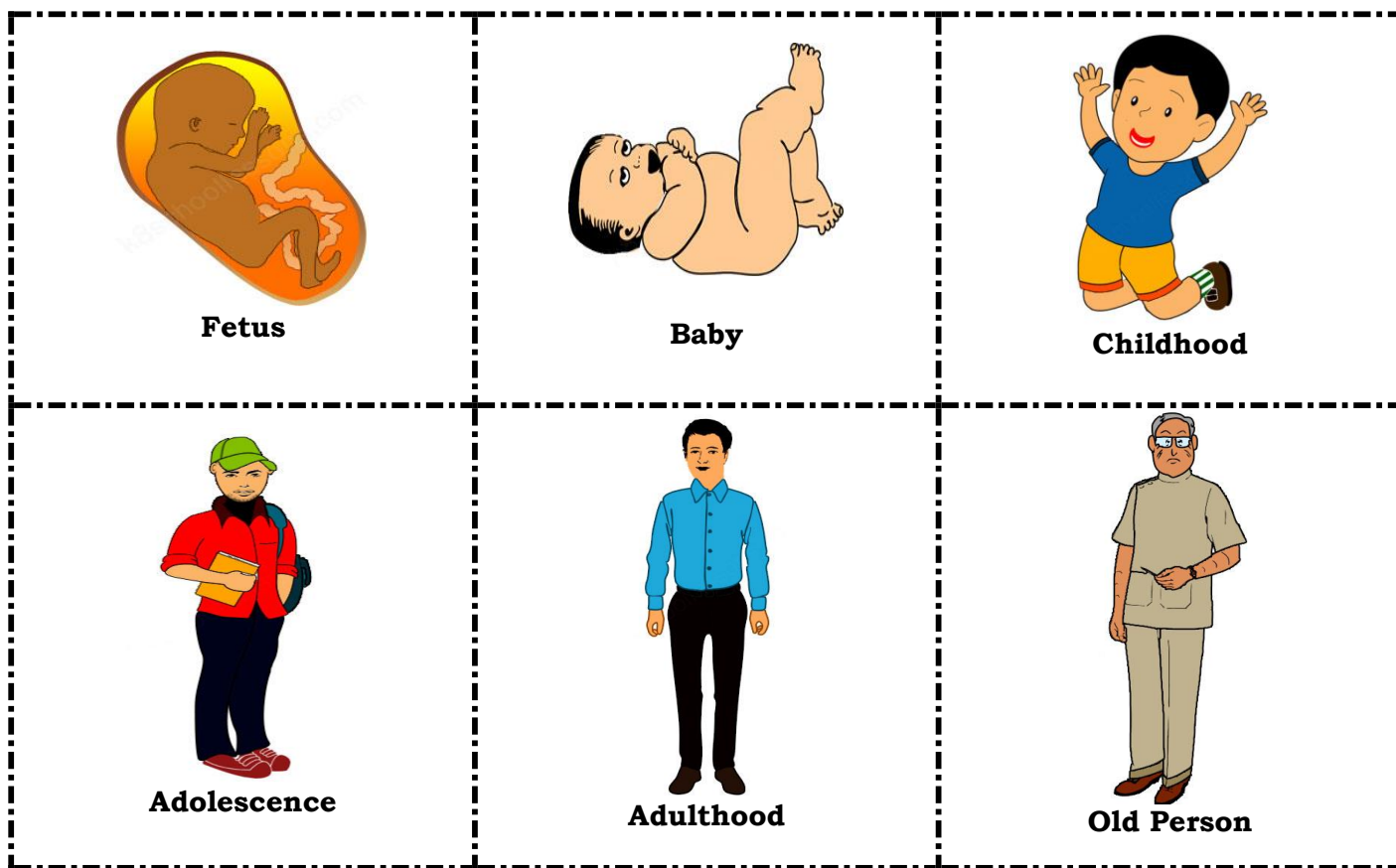
Table 1

Stage 1	Stage 2	Stage 3
<hr/>	<hr/>	<hr/>
Stage 4	Stage 5	Stage 6
<hr/>	<hr/>	<hr/>

- Cut out the pictures and arrange them in sequence from the earliest to the latest stage, then record the stage names in Table 2.
- Share your thoughts with your fellow classmates. Discuss the growth and transformation of a frog. Use the grouping in activity 2.

Table 2

Stage 1	Stage 2	Stage 3
Picture	Picture	Picture
Stage 4	Stage 5	Stage 6
Picture	Picture	Picture

**Discussion:**

- How do physical features change from one stage to another in human life cycle?
- How do you describe the emotional, social and mental changes during childhood until adulthood?
- How do parents, family members and community influence the growth and development of infants until adulthood in terms of social and emotional aspects?

V. Synthesis/Extended Practice

- What are the different stages in the life cycle of human? How does a baby grow from fetus to adulthood? What are the things that a baby needs in order to grow healthy?

- What are the unique characteristics in each stage in terms of physical, emotional, mental and social changes.

Extended Practice

Your teacher will assign homework where you can do research and report on different stages in the life cycle of your favorite animals such as dog, cat, cow, dolphin. You will compare similarities and differences between the life cycle of these animals with that of humans. You can further research on the factors that affect the physical, mental, social, and emotional development of a child and how the family and community can contribute to these changes.