

Intermediate:3

**Worksheet: 3 Discover the Marvelous Life Cycles of Organisms!**

**Grade Level:** Middle School

**Objective:** Understand the stages and processes involved in the life cycles of different organisms.

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**Part 1: True or False**

Write **True** or **False** next to each statement.

1. \_\_\_ All animals go through metamorphosis during their life cycle.
  2. \_\_\_ Seeds are the first stage in the life cycle of most plants.
  3. \_\_\_ Frogs lay eggs in water.
  4. \_\_\_ Butterflies skip the pupa stage and become adults directly.
  5. \_\_\_ All plants produce flowers as part of their life cycle.
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**Part 2: Label the Stages**

Below are pictures of the stages in a butterfly's life cycle (provided by the teacher).

Write the correct name for each stage:

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

**(If no pictures are provided, replace this with a written description for students to order.)**

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**Part 3: Short Answer**

1. **What is metamorphosis?**

*Answer:*

2. **How are frogs and butterflies similar in their life cycles?**

*Answer:*

3. **What is the role of flowers in the life cycle of flowering plants?**

*Answer:*

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#### **Part 4: Compare and Contrast**

Complete the table below to compare the life cycle of a butterfly and a frog.

<b>Stage</b>	<b>Butterfl y</b>	<b>Fro g</b>
First Stage		
Middle Stage(s)		
Adult Stage		

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#### **Part 5: Creative Writing**

Imagine you are a seed about to grow into a big, tall tree. Write a short story (5–6 sentences) describing your journey through the life cycle of a plant.

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#### **Bonus Activity:**

Research the life cycle of an organism not mentioned here (e.g., a fish, reptile, or mushroom). Share what you learned with your class!