



Practice Worksheet on Life Cycles of Insects

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Subject: Science

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Long Answer Questions

1. Read the following passage about the life cycle of a butterfly and summarize it in your own words. Focus on the key stages and transformations that occur.
2. The passage mentions several different types of butterflies. Describe these different species, focusing on their physical attributes and habitats.
3. What are some of the dangers butterflies face in their lifecycle? Include both natural predators and human impacts.
4. Why are butterflies important to the environment? Discuss their ecological role and contribution to biodiversity.
5. Describe in detail the four stages of a butterfly's metamorphosis. Explain the significant changes in each stage.
6. Compare the life cycle of a butterfly with the life cycle of another insect, such as a ladybug or a beetle. What are the key similarities and differences?

7. What measures are being taken to protect butterflies and their habitats? Discuss various conservation strategies.

8. How do human activities affect butterfly populations? Suggest practical ways to reduce negative human impact on butterflies.

Multiple Choice Questions

1. What is the correct order of stages in a butterfly's life cycle?

- a) Egg, Pupa, Larva, Adult
- b) Egg, Larva, Pupa, Adult
- c) Larva, Egg, Pupa, Adult
- d) Pupa, Larva, Egg, Adult

2. Which statement is true about most butterflies?

- a) They are nocturnal creatures
- b) They undergo complete metamorphosis
- c) They are all poisonous
- d) They all live in tropical climates

3. How do butterflies contribute to the ecosystem?

- a) By laying their eggs on the ground
- b) By pollinating flowers
- c) By eating other insects
- d) By building nests

4. What is a larva?

- a) A type of butterfly
- b) The immature stage of a butterfly

- c) A type of flower
- d) A type of bird

5. Why do butterflies use camouflage or bright colors?

- a) To build nests
- b) To find food
- c) To protect themselves from predators
- d) To mate

6. What is the biggest threat to butterfly populations?

- a) Habitat loss
- b) Increased rainfall
- c) Warmer temperatures
- d) More predators

7. Which of these are types of butterflies?

- a) Monarchs
- b) Swallowtails
- c) Both Monarchs and Swallowtails
- d) Neither Monarchs nor Swallowtails

8. What is a notable characteristic of Monarch butterflies?

- a) They don't migrate
- b) They migrate long distances
- c) They migrate only short distances
- d) They don't move at all

Answer Key

Long Answer Questions - Expected Responses

1. Read the following passage about the life cycle of a butterfly and summarize it in your own words. Focus on the key stages and transformations that occur.

Expected Answer: Summarize the main idea of the passage, focusing on the key events and their sequence.

2. The passage mentions several different types of butterflies. Describe these different species, focusing on their physical attributes and habitats.

Expected Answer: Explain the different types of butterflies and their unique characteristics.

3. What are some of the dangers butterflies face in their lifecycle? Include both natural predators and human impacts.

Expected Answer: Discuss the challenges butterflies face in their environment, mentioning both natural and human-made threats.

4. Why are butterflies important to the environment? Discuss their ecological role and contribution to biodiversity.

Expected Answer: Analyze the importance of butterflies to the ecosystem and explain their role in pollination and biodiversity.

5. Describe in detail the four stages of a butterfly's metamorphosis. Explain the significant changes in each stage.

Expected Answer: Explain the process of metamorphosis in butterflies, detailing each stage and the transformations that occur.

6. Compare the life cycle of a butterfly with the life cycle of another insect, such as a ladybug or a beetle. What are the key similarities and differences?

Expected Answer: Compare and contrast the life cycle of a butterfly with that of another insect, highlighting their similarities and differences.

7. What measures are being taken to protect butterflies and their habitats? Discuss various conservation strategies.

Expected Answer: Discuss the conservation efforts that are being undertaken to protect butterfly populations and their habitats.

8. How do human activities affect butterfly populations? Suggest practical ways to reduce negative human impact on butterflies.

Expected Answer: Evaluate the impact of human activities on butterfly populations and suggest ways to mitigate these impacts.

Multiple Choice Questions – Correct Answers

1. What is the correct order of stages in a butterfly's life cycle?

Correct Answer: Egg, Larva, Pupa, Adult

2. Which statement is true about most butterflies?

Correct Answer: They undergo complete metamorphosis

3. How do butterflies contribute to the ecosystem?

Correct Answer: By pollinating flowers

4. What is a larva?

Correct Answer: The immature stage of a butterfly

5. Why do butterflies use camouflage or bright colors?

Correct Answer: To protect themselves from predators

6. What is the biggest threat to butterfly populations?

Correct Answer: Habitat loss

7. Which of these are types of butterflies?

Correct Answer: Both Monarchs and Swallowtails

8. What is a notable characteristic of Monarch butterflies?

Correct Answer: They migrate long distances