

Elementary Science: Unit-at-a-Glance

Grade Level: 2		Unit: Life Science: <u>Butterflies</u>
Lesson #	Essential Learning	Vocabulary
1	An organism is any living thing. Insects are organisms that have 3 body parts: head, thorax, and abdomen.	<ul style="list-style-type: none"> • Organism • Body parts • Head • Thorax • Abdomen • Label • Antennae • Legs • Spiracles • Wings • Insect • Grasshopper • Sections • Basic needs • Characteristics • Classify
2	Classify organisms as insects or non-insects based on their physical characteristics.	<ul style="list-style-type: none"> • Insect • Non-insect • Wasp • Spider • Grasshopper • Compare • Observe • Classifying • Classify
3	Determine that a butterfly is an insect based on its characteristics.	<ul style="list-style-type: none"> • Butterfly • Differences • Adult
4	Butterfly larvae have basic needs (food, air, water, and shelter) that must be met for it to survive and grow.	<ul style="list-style-type: none"> • Habitat • Petri dish • Larvae • Nutrients • Vial • Porous • Caterpillar

5	Identify a butterfly larva's body parts. Explain the functions of the antennae, mouthparts, spinneret, prolegs, eyes, crochets, and spiracles.	<ul style="list-style-type: none"> • Setae • True legs • Prolegs • Spinneret • Crochets • Spiracles • Eyes • Antennae
6	Butterfly larvae have distinct food preferences (e.g., the nutrient in the vial or certain leaves in their natural habitat).	<ul style="list-style-type: none"> • Nutrients • Vitamins • Minerals • Protein
7	Butterflies experience different developmental life stages: the egg stage, larva stage, pupa stage (which is encased in a chrysalis), and the adult stage.	<ul style="list-style-type: none"> • Toxins • Molt • Proboscis • Butterfly • Meta-morphosis • Chrysalis • Chrysalides • Host plant • Nutrients • Habitat • Predators • Nectar • True legs • Prolegs • Pupa • Camouflaged
8	The food preferences of adult butterflies are distinctly different from those of a larvae because of the major structural changes in the organism during its life cycle.	<ul style="list-style-type: none"> • Host plant • Environment • Survey • Shelter • Habitat
9	A butterfly will survive in a habitat that meets its basic needs. Habitats need to be protected.	<ul style="list-style-type: none"> • Meta-morphosis • Life cycle • Larvae • Pupae • Colonies • Conclusions

10	<p>Butterflies will survive best in a habitat that meets the basic needs for each stage of its life cycle.</p> <p>An organism's habitat needs to be protected for it to continue to grow.</p>	<ul style="list-style-type: none">• Species• Endangered• Environment• Predators• Insecticides• Herbicides• Pollute• Nectar• Habitats
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