

## FOSS Insects and Plants Module

### Glossary

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**abdomen** one of the three body parts of an adult insect (IG)

**adult** a fully grown organism (SRB, IG)

**air** one of the four most important needs for any organism (IG)

**amber** a hard fossil resin from a tree (SRB)

**antenna** the long, thin "feelers" on the head of an insect (IG)

**basic need** something that is needed for plants and animals to survive. Plants and animals need air, water, food, space, shelter, and light. (SRB)

**bran** the husks of cereal grain (IG)

**brassica** a genus of plants that includes mustard, cabbage, collards, bok choy, kale, cauliflower, broccoli, and turnip (IG)

**bud** the locations on stems where new leaves and new stems grow (IG)

**bug** has predictable colors in distinctive patterns. They have legs, wings, antennae, and proboscis (IG)

**butterfly** a brightly colored insect with two pairs of wings, a proboscis for sipping nectar, and antennae with a knob at the tip (IG)

**caterpillar** a butterfly larva (IG)

**chrysalis** a smooth, plasticlike protective sleeve in which butterflies pupate (IG)

**clasper** muscular pads on a waxworm's prolegs near the tail end (IG)

**cocoon** protective structure constructed from one continuous strand of silk that the silkworm spins in preparation to pupate (IG)

**darkling beetle** an adult mealworm (IG)

**dead** not living (IG)

**dropping** tiny grainlike objects (IG)

**egg** the first stage of a life cycle (SRB, IG)

**evidence** proof that a change has occurred (IG)

**exoskeleton** outer skin (IG)

**eyespot** the fake eyes on the thorax (IG)

**female** the scientific name for a girl (IG)

**fertilizer** provides nutrients that plants need to grow (IG)

**flower** the part of a plant that grows into fruit (SRB, IG)

**food** one of the four most important needs for any organism (IG)

**fossil** a part of a plant or animal that lived long ago. Fossils can be bones, shells, or leaves. Fossils can also be tracks or burrows of past life on Earth. (SRB)

**fruit** the part of a plant with seeds in it. Flowers grow into fruit, and fruit produce seeds in plant reproduction. (SRB, IG)

**germinate** to begin to grow or develop (IG)

**habitat** the place or natural area where plants or animals live (SRB, IG)

**hatch** to emerge from an egg (IG)

**head** one of the three body parts of an insect (IG)

**insect** an animal that has six legs and three main body parts. They are the head, thorax, and abdomen. (SRB, IG)

**larva** (plural **larvae**) a stage in the insect life cycle after hatching from eggs. Insect larvae look different from their parents and are often wormlike. (SRB, IG)

**leaf** a plant structure that captures light to produce food (IG)

**leg** connected to the thorax (IG)

**life cycle** the stages in the life of a plant or animal (SRB, IG)

**light** one of the four needs that help plants grow (IG)

**living** alive (SRB, IG)

**male** the scientific name for a boy (IG)

**marsh** soft, wet land that is sometimes covered with water (SRB)

**mating** when bugs remain attached end to end for an extended time (IG)

**mealworm** a darkling beetle larva (IG)

**metamorphosis** a change from larva to adult (IG)

**milkweed bug** a true bug that feeds on sunflower seed oils and goes through simple metamorphosis (IG)

**molt** to shed skin to make room for growing (IG)

**molting** the process of shedding skin to make room for growing (IG)

**mulberry leaf** the food and water for silkworms (IG)

**nectar** a fluid from flowers that butterflies sip for food (IG)

**nutrient** something that living things need to grow and stay healthy (SRB, IG)

**nymph** a stage in the insect life cycle that has no larva or pupa. Nymphs look like their parents, but are smaller. (SRB, IG)

**observe** to watch or study (IG)

**offspring** a new plant or animal produced by a parent (SRB, IG)

**organism** a living thing. Plants and animals are organisms. (SRB, IG)

**painted lady** a butterfly with a short pair of front legs, coiled proboscis, large eyes, and an extension at the front of the head that looks like a snout (IG)

**plant** a living thing that usually has leaves, stems and roots (IG)

**pollen** the powder that is produced by the flower or the dusty yellow grains inside of a flower (IG)

**proboscis** a long strawlike mouth (IG)

**proleg** the four pairs of legs on the abdomen of an insect (IG)

**pupa** (plural **pupae**) a stage in the insect life cycle between the larva and adult stages (SRB, IG)

**pupate** to change into a pupa (SRB)

**reproduction** the process of producing offspring (SRB)

**resin** a sticky liquid that comes from some plants (SRB)

**root** the part of a plant that grows down into the soil (IG)

**seed** the part of a plant found inside fruit. Seeds can grow into new plants. (SRB, IG)

**seedling** a baby plant; also called a sprout (IG)

**seedpod** the seeds in a full grown brassica plant (IG)

**segment** different sections on an insect (IG)

**shelter** a form of protection that is one of the basic needs for living insects (IG)

**silk** a natural fiber of exceptional strength, texture, and luster (IG)

**silkworm** the larva of the silkworm moth (IG)

**soil** the mixture of humus and earth materials in which plants grow; dirt (IG)

**space** one of the four most important needs for any organism (IG)

**spinneret** the part of a silkworm near the mouth that spins the silk (IG)

**spiracle** the row of dots along both sides of an insect for breathing (IG)

**sprout** the first tiny plant from the seed (IG)

**stage** the name for different points of insect development (IG)

**stem** a plant structure that holds up and supports the plant (IG)

**survive** to stay alive (SRB)

**thorax** one of the three body parts of an insect (IG)

**thrive** to grow fast and stay healthy (SRB)

**variation** difference (SRB, IG)

**waste** material that a butterfly ejects when it comes out of a chrysalis; frass (IG)

**water** one of the four most important needs for any organism (IG)