

Vocabulary/Glossary Terms: FOSS Insects and Plants Investigations Guide—Texas Edition © 2014

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)

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

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)

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)

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)

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)

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

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)