adaptation any structure or behavior of an organism that allows it to survive in its environment (SRB, IG)

adult a mature plant (IG)

antenna (plural **antennae**) the thin feeler on the head of an animal like a crayfish, an isopod, or an insect (SRB, IG)

appendage legs and mouth parts (IG)

aquatic referring to water (SRB)

arch one of the three basic patterns fingerprints can be sorted into; these fingerprints are characterized by lines that start on one side of the print, rise, fall, and exit on the opposite side of the print (IG)

articulated jointed or joined in sections, as in the human skeleton (IG)

ball-and-socket joint a place where the rounded end of one bone fits into the cup of another bone. Ball-and-socket joints allow movement in two directions, in addition to rotation; the most versatile joints in the human body (IG)

behavior the actions of an animal in response to its environment (SRB, IG)

beneficial good or advantageous (SRB)

biologist a scientist who studies living organisms (SRB)

bone living tissue that grows and changes shape as people grow; organized into a system called a skeleton (IG)

camouflage an adaptation that allows an organism to blend into its environment (SRB)

carapace a hard outer shell that covers the main part of the body of an animal (SRB, IG)

carnivore an animal that eats only animals (SRB, IG)

cartilage the smooth, flexible material that connects some bones and gives shape to some body parts (SRB)

characteristic the shape, size, and orientation of a bone; provides clues about the function of the bone (IG)

chromosome a structure that carries genes (SRB)

chrysalis the hard-shelled pupa of a moth or butterfly (SRB)

compete to rely on or need the same resource as another organism (IG)

contract to become smaller or shorter in length (SRB, IG)

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cotyledon the plant structure that provides the germinated seed with food (SRB, IG)
crayfish a freshwater animal that has a hard shell and prominent pincers (IG)
crustacean a class of mostly aquatic animals with hard, flexible shells (SRB, IG)
detrimental harmful or bad (SRB)
DNA (deoxyribonucleic acid) a material that carries the genetic messages of heredity (SRB)
disperse to spread out or move away from (IG)
dormant inactive or resting (SRB, IG)
egg the first stage in an animal's life cycle (SRB)
elodea a kind of aquatic plant that crayfish eat (IG)
embryo the undeveloped plant within a seed (SRB, IG)
endanger at risk of becoming extinct (SRB)
energy the fuel in a food chain (IG)
environment everything that surrounds and influences an organism (SRB, IG)
estimate to decide how much or how many without counting each object in the group (IG)
exoskeleton any hard outer covering that protects or supports the body of an animal (SRB)
female in crayfish, ones that have an egg pore and longer swimmerets (IG)
fibrous root system with a large mass of small, stringlike roots where no one root is more prominent than the
others (IG)
fingerprint the ridges in your skin at the tip of your fingers. Arches, loops, and whorls are fingerprint patterns.
(SRB, IG)
flower a plant structure that grows into fruit (SRB, IG)
food chain a description of the feeding relationships between all the organisms in an environment (SRB, IG)
fruit a structure of a plant in which seeds form (SRB, IG)
function an action that helps a plant or an animal survive (SRB, IG)
gastropod the family of snails (SRB)
gene a message carried by the chromosomes (SRB)
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generation a group of organisms born and living at the same time (SRB) **genetics** the study of how living things pass traits to their offspring (SRB) **germination** the beginning of development of a seed after a period of dormancy or rest (IG) gliding joint a place where two bones meet, allowing limited movement in two directions but not rotation (IG) **growth** when an organism gets bigger and more complex (IG) **habitat** where an organism naturally lives (IG) **herbivore** an animal that eats only plants or algae (SRB, IG) **hibernate** when animals sleep through the winter (SRB) **hinge joint** a place where two bones meet, allowing movement in one direction; hinge joints can flex (close) and extend (open) (IG) **hydroponics** growing plants without soil in a water-based nutrient solution (IG) inherited trait a characteristic that is passed down from generation (SRB, IG) **joint** a place where two bones come together (SRB, IG) **leaf** a plant structure that is usually green and makes food from sunlight, water, and carbon dioxide (SRB, IG) life cycle the sequence of changes an organism goes through (SRB, IG) **ligament** tissue that connects bone to bone (SRB) **living** alive (IG) **loop** one of the three basic patterns fingerprints can be sorted into; these fingerprints are characterized by lines that start at one side of the print, rise, and then turn around and exit on the same side (IG) male in crayfish, ones that have bigger pincers and narrower tails (IG) **mature** fully developed (SRB) migrate when animals move from places with cold weather to places with warm weather (SRB) **modify** to change (IG) **molt** to shed an outer shell in order to grow (SRB, IG) movement action performed by muscles in the body; one of the three major functions of bones in the skeletal system (IG)

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muscle tissue that can contract and produce movement (SRB, IG)

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nutrient a material needed by a living organism to help it grow and develop (SRB, IG)
observe to watch for changes (IG)
offspring a new plant or animal produced by a parent (SRB, IG)
omnivore an animal that eats both animals and plants (SRB, IG)
opposable thumb finger which enables the ability to touch fingertips to thumb and to grip and hold objects
firmly; one of the most important features of the human body (IG)
organism any living thing (SRB, IG)
parent an organism that has produced offspring (SRB, IG)
pattern a design; most fingerprints fall into three basic patterns (IG)
pincer an animal's claw used for grasping (SRB, IG)
population all organisms of one kind that are living together (SRB, IG)
predator an animal that hunts and catches other animals for food (SRB, IG)
predict to estimate a future event based on data or experience (IG)
prey an animal eaten by another animal (SRB, IG)
proboscis a long, strawlike mouth (SRB)
property something you can observe, like color, texture, or smell (IG)
protect to keep from harm (SRB, IG)
protection one of the three major functions of bones in the skeletal system (IG)
pupa the stage of an animal's life cycle between the larva and the adult stages (SRB)
reproduce to have offspring (SRB, IG)
root the part of a plant that grows under ground (SRB, IG)
seed the structure in a fruit that holds the undeveloped plant, or embryo (SRB, IG)
seed coat the outer covering of a seed (IG)
seedling young plants that grow from seeds (IG)
shoot the above-ground part of a plant, which consists of stems, branches, leaves, flowers, and fruit (IG)
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skeletal muscle muscle that typically attaches to two different bones with tendons; there are over 650 in the human body (IG)

skeletal system the system of bones in the human body which provide support, protection, and movement (IG)

skeleton the hard inner framework of bones inside an animal that provides shape, support, and protection (IG)

skull the hollow case of the head made up of fused flat bones and moveable jaw bones; surrounds and protects the brain, inner ears, and eyes (IG)

stem any stalk supporting leaves, flowers, or fruit (SRB, IG)

structure any identifiable part of an organism (SRB, IG)

support one of the three major functions of bones in the skeletal system (IG)

survive to stay alive (SRB, IG)

sustain to maintain (IG)

sustainable describing a food chain in which the population size of the organisms that are eating must be smaller than the population size of the organisms getting eaten (IG)

swimmeret a small, soft leg under the tail of a crayfish (SRB, IG)

system an interconnected network; bones are organized into a system called a skeleton (IG)

taproot system where smaller roots branch out from the large main roots (IG)

tendon ropelike tissue that connects muscle to bone (SRB, IG)

terrestrial referring to land (SRB)

territory the part of an animal's habitat that it defends against others of its own kind (IG)

thrive to grow fast and stay healthy (SRB)

tissue any of a number of different kinds of materials that make up the body, such as muscle, tendon, ligament, and bone (IG)

torso the main part of the body, including shoulders, chest, abdomen, and hips (IG)

whorl one of the three basic patterns fingerprints can be sorted into; these fingerprints are characterized by lines that go in circles and all lines come back to the place where they started (IG)