

Chapter 26 terms

Thorax- middle body region of an arthropod consisting of three fused main segments that may bear legs and wings

Abdomen- posterior body region of an arthropod that contains fused segments digestive structures reproductive organs and bears additional legs: in humans part of body that is between the diaphragm and pelvis

cephalothorax-the structure formed from the thorax region fused with the head

appendages- a structure such as a leg or an antenna that grows and extends from the outside body covering

molting- the periodic shedding of the protective exoskeleton so their bodies can continue to grow

mandibles- one of a pair of mouth parts adapted for biting and chewing food

tracheal tube- one of a system of tubes that branch into smaller tubules and carry oxygen throughout the body

Book lungs – the lungs inside of arthropods that are really close together and resemble the pages of a book which allow for more oxygen intake.

Spiracles – the holes in arthropods body coverings through which air and waste gases enter and leave.

Malpighian tubules – the waste excreting structure which also helps maintain homeostasis.

Pheromones – chemical odors in animals which induce a specific behavior.

Chelipeds – in most crustaceans the first pair of legs which has large claws to trap and crush food.

Swimmeret – crustacean appendage used for flipping during swimming.

Chelicera – one of a pair of arachnid appendages modified to function as fangs or pinchers.

Pedipalp – one of a pair of arachnid appendages used for sensing and holding prey and in male spiders used for reproduction.

Spinneret – in spiders the structure that spin the silk from a fluid protein secreted by their glands.

Metamorphosis – in most insects, the series of changes from a larval form to an adult form.

Pupa – non-feeding stage of complete metamorphosis in which the insect changes from the larval form to the adult form.

Nymph – immature form of an insect during incomplete metamorphosis the hatchling looks like a small adult insect and goes through several molts, eventually becoming a mature winged adult.

Caste – specialized group of individuals in an insect society that performs specific tasks.

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