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| **abdomen** - the segmented tail area of a grasshopper, which contains the heart, reproductive organs, and most of the digestive system  **antennae** - like all insects, grasshoppers have 2 segmented antennae that sense touch and odors  **compound eye** - grasshoppers have 2 faceted eyes made up of many hexagonal lenses  **head** - the head is at the front end of the grasshopper's body and is the location of the brain, the two compound eyes, the mouth parts, and the points of attachment of its two antennae.  **jumping legs** -the long, hindmost pair of the grasshopper's six legs  **mandibles** - the jaws, located near the tip of the head, by the palps; the jaws crush the food | **palps** - long, segmented mouth parts (under the jaws) that grasp the food  **spiracles** - a series of holes located along both sides of the abdomen; they are used for breathing  **thorax** - the middle area of the grasshopper's body - where the legs and wings are attached  **walking legs** - the four, short front legs that are used for walking  **wings** - grasshoppers have two long wings, used for flying. |

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