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Crayfish & Grasshoppers

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|  |  |  |  |  | 21  A | R | T | H | R | O | P | O | D | A |  |  |  | T |  | 22  T | W | O |  |  |  |  |  |  |  |
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| **Across**  **3.** The grasshopper has a large eye which we call the \_\_\_\_\_\_\_\_ eye.  **6.** The fused thorax and head region of a crayfish.  **9.** Crayfish use these structures to obtain oxygen.  **12.** The first pair of legs on a crayfish. Adapted for catching and crushing food.  **14.** In the crayfish, wastes are expelled through the \_\_\_\_.  **17.** The jaws of the grasshopper.  **19.** These long sensory structures contain receptors for smell and touch.  **21.** The Phylum of grasshoppers.  **22.** Grasshoppers have \_\_\_\_ pairs of wings.  **24.** The Class of grasshoppers.  **25.** This is the "eardrum" of the grasshopper (2 words, no space). | **Down**  **1.** A lightweight suit of armor. Provides framework for support, protects soft body tissues, provides location for muscle attachment.  **2.** Grasshoppers breathe air through these small lateral openings.  **4.** Crayfish possess this gland which collects waste materials from blood and excretes the waste through pores at the base of each antenna.  **5.** The portion of the crayfish you cut off of the cephalothorax. It covered the stomach, gills and more.  **7.** The pointed egg laying tube at the posterior of the female grasshopper.  **8.** The teeth like structures within the stomach of the crayfish are made of this substance.  **10.** The short legs behind the walking legs of the crayfish. Used for reproduction and swimming.  **11.** These legs are mainly for locomotion in the crayfish.  **13.** This "type" of appendages allows for flexible movement.  **15.** The upper lip on a grasshopper.  **16.** The type of circulatory system seen in a crayfish.  **18.** A crayfish has a \_\_\_\_\_ nerve cord. This means it runs along the bottom interior of the crayfish.  **20.** The 3 regions of the grasshopper are the head, \_\_\_\_\_\_\_\_ and abdomen.  **23.** The middle section of the most posterior portion of a crayfish. |