Respiratory System

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| **Across**  **2.** A membrane has to be \_\_\_\_\_\_ in order for oxygen to pass through it  **4.** Animals need this to create energy  **5.** The opening to the tracheal system in insects is the \_\_\_\_\_\_\_.  **8.** Layer of muscles that sits beneath the lungs  **10.** The ribs are attached to this flat bone  **12.** This contains vocal chords  **13.** The \_\_\_\_\_\_\_ gland, covers the trachea | **Down**  **1.** Passages that branch from the trachea and direct air into the lungs  **3.** The \_\_\_\_\_\_\_ muscles contract during inhalation to bring air into the lungs  **6.** The exchange surfaces of fish gills are arranged as rows of \_\_\_\_\_\_\_\_\_.  **7.** \_\_\_\_\_\_\_ receptors are located in the brain-stem to monitor the partial pressure of oxygen  **9.** Tiny sacs of lung tissue that move gases between air and blood  **11.** Tubule that forms the respiratory system of most insects |