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Respiratory System Terminology

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| **Across**  **3.** folded back visceral pleura attached to each surface of the lung  **4.** the potential space between the visceral and parietal pleurae  **6.** exhalation  **7.** usually stands upright and allows air to enter the larynx; helps protect from food and liquids to enter the air passages  **10.** or throat, is behind the oral cavity, the nasal cavity and the lyrynx; the passage way for food traveling from the oral cavity to the esophagus and for the air passing between the nasal cavity and the larynx  **11.** synthesize a mixture of lipids and proteins  **13.** consists of branched airways leading from the trachea to the microscopic air sacs in the lungs  **17.** the entire process of gas exchange between the atmosphere and the cells  **19.** a hollow space behind the nose  **21.** arise from the trachea at the level of the fifth thoracic vertebra  **22.** carbon dioxide bonds with hemoglobin  **23.** bones that curl out from lateral walls of the nasal cavity on each side, dividing the cavity into passageways  **25.** the enlargement in the airway at the top of the trachea and below the pharynx; it conducts air in and out id the trachea and prevents foreign objects from entering the trachea  **26.** smaller tubes that continue to divide giving rise to others | **Down**  **1.** windpipe  **2.** the opening between the vocal cords  **5.** the actions providing air movements, inhalation  **8.** combination of oxygenated blood with the iron atoms of hemoglobin  **9.** very thin tubes, lead to the alveolar sacs  **12.** soft, spongy, cone-shaped organs in the thoracic cavity  **14.** iron containing protein  **15.** air-filled spaces located within the maxillary, frontal, ethmoid, and sphenoid bones of the skull and open into the nasal cavity  **16.** a layer of serous membrane  **18.** leads to smaller microscopic air sacs called alveoli  **20.** smaller microscopic air sacs  **24.** a deficiency of O2 reaching the tissues |