Gas exchange

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| **Across**  **3.** Has an effect on breathing rate, the more you do the higher your breathing rate  **11.** Found centrally in the thorax  **13.** the process of drawing air into and out of the lungs  **14.** This model represents the lungs in a limited way  **16.** Process by which gas exchange occurs in the lungs  **17.** A carcinogen found in cigarette smoke  **18.** A chemical process by which energy is released  **21.** Sheet of muscle that allows the thorax to ventilate  **22.** A good \_\_\_\_\_\_ \_\_\_\_\_\_ maintains the concentration gradient in the lungs  **23.** Small sac where gas exchange takes place  **24.** the process of breathing in | **Down**  **1.** An addictive chemical found in cigarettes  **2.** An infection of the bronchi  **4.** The process of breathing out air  **5.** Two of these carry air into each lung  **6.** A mechanical process to get oxygen into, and carbon dioxide out of, the lungs  **7.** An abbreviation for a disease that affects the heart, caused by the nicotine and carbon monoxide found in cigarettes  **8.** Causes a range of lung conditions  **9.** Artery that carries blood between the heart and lungs  **10.** A gas produced in respiration that is passed out of the body from the lungs  **12.** Another name for the chest cavity  **15.** Allows air to pass from the mouth to the lungs  **19.** Allows the lungs to move over one another without friction  **20.** Where the walls of the alveoli are damaged and fuse together |