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Chapter 3

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| **Across**  **2.**  \_\_\_\_\_\_\_\_\_\_\_\_ is a disorder in which a person's blood pressure is consistently higher than normal.  **4.** \_\_\_\_\_\_\_\_ is an iron-containing protein that binds chemically to oxygen molecules.  **10.**  A hollow, muscular organ that pumps blood  **11.** The fluid inside the lymphatic system is called \_\_\_\_\_\_\_\_.  **14.** The first branches of the aorta that carry blood to the heart itself.  **15.**  \_\_\_\_\_\_\_ are cell fragments that play an important part in forming blood clots.  **17.** Process by which molecules move from an area of higher concentration to an area of lower concentration.  **19.** A flap of tissue that prevents blood from flowing backward  **20.** Blood Vessels that carry blood away from the heart.  **21.** Deliver oxygen from the lungs to cells elsewhere in the body.  **22.** The liquid part of blood  **23.** Consists of the heart, blood vessels, and blood  **24.** Small knobs of tissue. | **Down**  **1.** A condition in which an artery wall thickens as a result of the buildup of fatty materials.  **3.** A group of heart cells that sends out signals that make he heart muscle contract.  **5.** Blood vessels that carry blood back to the heart.  **6.** A \_\_\_\_\_\_\_\_\_\_\_\_\_ occurs when blood flow to part of the heart is blocked.  **7.** The upper chamber of the heart that receives blood that comes into the heart  **8.**  The body's drainage system.  **9.** The body's disease fighters.  **12.** Tiny, narrow vessels.  **13.**  The force blood exerts against the walls of blood vessels.  **16.**  The lower chamber of the heart that pumps blood out of the heart  **18.**  \_\_\_\_\_\_\_\_ is caused by the alternating expansion and relaxation of the artery wall. |