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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. |