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The heart

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| **Across**  **1.** Lower chambers and pump blood out of the heart  **4.** The middle layer of the heart and is the thickest of the 3 layers  **9.** Pacemaker of the heart  **12.** The upper chambers and receive the blood into the heart  **13.** Resembles a bishops mitre a hat with cusps or flaps  **15.** Thin outermost layer of the heart and also helps from the pericardium  **16.** Branches that send out numerous long fibers  **18.** Semilunar valve located between the left ventricle and aorta  **19.** Study of the heart  **20.** The cusps of the valve resemble a half moon | **Down**  **2.** Arteries supplying the myocardium  **3.** Located between the left atrium and the left ventricle; has two cusps  **5.** Specialized tissue in the heart that generates and transmits the electrical system  **6.** Cardiac tissue fires a cardiac impulse regularly ; rhythmic beating of the heart  **7.** Large blood vessels attached to the heart  **8.** Heart is supported by a sling like structure  **10.** Record of these electrical signals  **11.** SA Node of the heart  **14.** Hollow muscular organ  **17.** The hearts innermost layer |