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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 |