6. Figure 11-4 is a diagram of the frontal section of the heart. Follow the instructions below to complete this exercise.

First, draw arrows to indicate the direction of blood flow through the heart. Draw the pathway of the oxygen-rich blood with red arrows, and trace the pathway of oxygen-poor blood with blue arrows.

Second, identify each of the elements of the intrinsic conduction system (numbers 1-5 on the figure) by inserting the appropriate terms in the blanks left of the figure. Then, indicate with green arrows the pathway that impulses take through this system.

Third, correctly identify each of the heart valves (numbers 6-9 on the figure) by inserting the appropriate terms in the blanks left of the figure, and draw in and identify by name the cordlike structures that anchor the flaps of the atrioventricular (AV) valves.

Fourth, use the numbers from the figure to identify the structures described below. Place the numbers in the lettered answer blanks.

   _____ A. _____ B. Prevent backflow into the ventricles when the heart is relaxed
   _____ C. _____ D. Prevent backflow into the atria when the ventricles are contracting
   _____ E. AV valve with three flaps
   _____ F. AV valve with two flaps
   _____ G. The pacemaker of the intrinsic conduction system
   _____ H. The point in the intrinsic conduction system where the impulse is temporarily delayed