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Pltw pbs unit 4 study guide answers

Students are studying the normal function of the human heart and investigating malfunctions in the cardiovascular system that can lead to heart disease. Students complete dissections to tour the anatomy of the heart and study heart function using probes and data collection software. They collect and analyse heart data, including heart rate, blood pressure and ECG readings, and analyse Anna Garcia's heart test results. Students are investigating the role cholesterol plays in the body. Students further their knowledge of molecular biology as they run gel electrophoresis and a full RFLP analysis to diagnose family hypercholesterolemia. Students are developing models to simulate pump function and design visuals to show intervention for blocked coronary vessels. 4.1: Images of the diagram of the interior and the outer heart, a written explanation of blood flow through the heart, at least 5 photos of heart dissection4.2: Data table or graph of BPM experiments with explanation, table of data or graph of experiments with percentage of your gel with results in the caption, your FH pedigree in Anna's family, images of your pump with an explanation relating to heart disease4.4 Explanation of the three main heart procedures, your model, career list and diagnosis at OH&4 Explanation of three major heart procedures, your model, career list and drop-off is in the back parking lot. Enter From Parrish to Hathaway Street.