

MA112 Lab 2
Critical Thinking Questions
Week 5

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All Answers Must be in Complete Sentences

1. Why is it important for diabetics to test their blood glucose levels on a regular basis at home? What does a hemoglobin A1C show?

Monitoring blood glucose levels at home helps the patients better know when their levels rise and fall this helps them keep better control of their eating habits and medication intake. Monitoring at home also lets them know if their insulin is working or if they need a new dose. A Hemoglobin A1C is an overall number for the last 3 months and shows how much sugar is coted over the blood cell.

2. Why is it important for blood chemistry reports to be placed on a flow chart on a regular basis?

This is for a better picture of how well the patient is maintaining their levels and helps get a better understanding for the medical team and patient. This is better to help treat the patient and meeting their health needs.

3. What is a blood lipid panel and what do the different parts of the panel measure?

A blood lipid panel includes cholesterol, triglycerides, high-density lipoprotein and low-density lipoprotein, this is the fatty substances found in the blood and stored in the tissues. This is to show the doctor if you are at serious risk for heart disease and other illnesses.

TIME	MEAL	GLUCOSE
7:00 am	Breakfast	86 mg/dL
9:00 am		175 mg/dL
11:30 am	Lunch	110 mg/dL
1:30 pm		206 mg/dL
2:15 pm	Snack	90 mg/dL
4:15 pm		150 mg/dL
6: 00 pm	Dinner	100 mg/dL
8:00 pm		260 mg/dL

4. Using the chart above, analyze the glucose results given to you by an adult with diabetes. Based on your knowledge of what a diabetic's glucose levels should be before meals and 2 hours after meals, determine which levels are high. (MAERB II.C.6b)

Based on this chart the 175 mg/dL after breakfast is a bit elevated. The 1:30 reading is high. The reading at 4:15pm is slightly elevated. And the reading at 8pm is concerningly elevated and this person should see their doctor to discuss a possible medicine change and re evaluate the diet and sugar consumption.