Diabetes Mellitus :

Research Project

**GROUP 1:**

**DIRECTIONS**: Using the directions the librarian has provided, locate the article applicable to your Group #

TITLE OF YOUR ARTICLE : **“Type 1 Diabetes: What is it?”**

**Provide answers to the following questions, based on the article.**

**Your group will provide a presentation to the class, when we return to the classroom.**

1. Provide a definition of diabetes.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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2. What analogy does the article provide, to help to explain the definition in simpler terms?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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3. List the five steps that involve the ingestion (taking into your body)

of food with the first step being “YOU eat”

a) You eat.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

d) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

e) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4. What does the pancreas look like and exactly what is its function?\_\_\_\_

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5. What is “insulin”? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6. Explain what happens to insulin, in a person who suffers from diabetes?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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7. If blood sugar levels rise too high above “normal” what happens to a person?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

8. Can a person who has Type 1 diabetes ever make insulin again?\_\_\_\_\_\_\_

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9. How can we fix a patient who can never make insulin again?\_\_\_\_\_\_\_\_\_\_

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10. How EXACTLY does Type 2 diabetes differ from Type 1 diabetes?

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11. What exactly causes type 1 Diabetes?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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12. What role do genes play, if any, in developing Diabetes Type 1?\_\_\_\_\_\_

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13. DO doctors believe there are other factors which may cause someone to develop Type 1 Diabetes?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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14. How can doctors help a patient from developing Type 1 Diabetes?\_\_

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15. List some of the symptoms someone may experience if they have this type of diabetes?

a)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(please substitute word “***urinate***”)

b) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

d)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

e)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

16. What are the symptoms of *diabetic ketoacidosis? (DKA)*

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17. Why would a person end up with DKA?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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18. The article states that people with Type 1 Diabetes may have to pay

more attention to what they are eating and doing. What else do they need to do? (list 6, in your own words)

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19. If you were a teen with diabetes, what challenges do you think you may have to face, each and every day? (Please be specific AND you must write your responses in **complete** and **grammatically correct** sentences)

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**Directions**: Once you complete all these questions you will meet with your group, compare responses for accuracy and then discuss what you’ve learned, so you can prepare a 10-minute presentation for the class. Also you will prepare 7 questions that you would like to see on the next health exam.