

## How Not to Answer Questions

These are simply examples of how to answer questions. **These are not questions that will be on the upcoming exam.** I am hoping that seeing these examples will help you know how to answer the type of questions that you will see on the exam.

### Example Question 1

Compare sucrose and lactose. List 2 ways that they are similar and 2 ways that they are different. (Please be clear, I will not guess at what you mean. Feel free to use sentences or a table.)

*Unacceptable answers*

#### Similarities

**It is a disaccharide.**

**Glucose.**

#### Differences

**One contains a 1,2 glycosidic link while the does not.**

**Lactose is a reducing sugar.**

*or*

|                       |                       |
|-----------------------|-----------------------|
| <b>Sucrose</b>        | <b>Lactose</b>        |
| <b>disaccharide</b>   | <b>disaccharide</b>   |
| <b>glucose</b>        |                       |
| <b>Glycoside link</b> | <b>Glycoside link</b> |
| <b>no</b>             | <b>reducing</b>       |

### Example Question 2

In the intestine the enzyme lactase breaks a disaccharide down into two monosaccharides.

a) What sugar is broken down and what are the products when this happens. Write your answers in the places provided.

          **lactose**                                          **glucose**                                          **galactose**            
disaccharide                                      monosaccharide 1                                      monosaccharide 2

b) What is the result if this enzyme is not available? Write your answer in 1 or 2 sentences.

**Lactase does not do anything because it is not there. Lactase usually makes glucose and galactose from lactase.**