

## How 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.)

*Acceptable answers*

#### Similarities

**Both sucrose and lactose are disaccharides.**

**Sucrose and lactose both contain glucose.**

#### Differences

**Sucrose contains a 1,2 glycosidic link while lactose contains a 1,4 glycosidic link.**

**Lactose is a reducing sugar. Sucrose is not a reducing sugar.**

*or*

	<b>Sucrose</b>	<b>Lactose</b>
<b>structure</b>	<b>disaccharide</b>	<b>disaccharide</b>
<b>contains</b>	<b>glucose</b>	<b>glucose</b>
<b>glycosidic link</b>	<b>1,2</b>	<b>1,4</b>
<b>reducing</b>	<b>no</b>	<b>yes</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.

**The disaccharide lactose ferments and this produces CO<sub>2</sub>, lactate, hydrogen, and methane.**