Name_____

Quiz
Protein Digestion

1. Place the following terms into the chart below.

Pure Water	***pH of 0-7***	***Tastes bitter***
Orange Juice	***pH of 7***	***HCl***
Tomato	***pH of 7-14***	***Sodium Bicarbonate***
Saliva	***Tastes sour***	***Alkaline***

Acid	Neutral	Base

2. Why do we eat protein? _____

   _____

3. Proteins are long chains of _____ .

4. What exactly is happening to the protein structure when the enzymes are digesting the proteins? _____

   _____

5. What is the pH of the stomach? _____

6. What is the pH of the small intestine? _____

7. Why does the enzyme in the stomach stop digesting protein when it goes into the small intestine? _____

8. What is sodium bicarbonate's main job in our bodies? _____

   _____

9. Fill in the blanks in the paragraph below:

   When you eat a food with lots of protein, like _____ or _____ (2 examples of foods with protein), you first chew them up in your _____. Then the food travels down your esophagus and into your stomach. In your stomach is an enzyme called _____ and a chemical called _____. After the enzyme in the stomach has some time to work, the food travels to the small intestine. While in the small intestine, there is a new chemical called _____ and a new enzyme called _____. These two things are made by the _____ and then sent to the small intestine. Protein digestion is complete when the proteins are completely broken down into _____.

10. BONUS: Explain why beating egg whites form a stiff foam if you beat them long enough. _____

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    _____

    _____

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