Unit 1 – Biochemisty

I can describe the pH scale and give examples of substances that are acidic and basic			
What is all?			
What is pH?			
Label the pH Scale with acids, bases, and neutral. Draw arrow to indicate the increasing strength.			
0 1 2 3 4 5 6 7 8 9 10 11 13 14			
Examples:			
Acid			
Bases			
Neutral			
What is a buffer?			
I can define organic and inorganic in terms of biochemistry and give examples of each. Organic Inorganic I can list the four biological molecule groups and give examples of each. (Including monomers & polymers) 1. 2. 3. 4.			
I can describe and identify (visually) the structure of carbohydrates, proteins, lipids, and nucleic acids.			

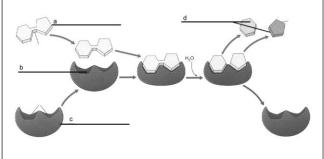
I can explain and identify the function of the four (4) biological molecules. 1. 2 3 4

I can diagram and label the structures of an enzyme and explains its function.

Enzyme:

Catalyst:

Label the diagram below: Enzyme, Product, Active Site, Substrate



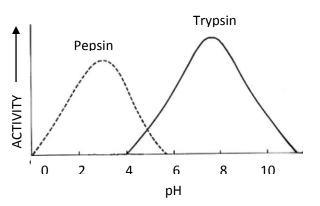
I can identify an unknown substance and which biological molecule group it belongs to using indicators.

Macromolecule	Initial Color	Positive Change
	Macromolecule	Macromolecule Initial Color

I can explain what it means for enzymes to function best at optimum levels.

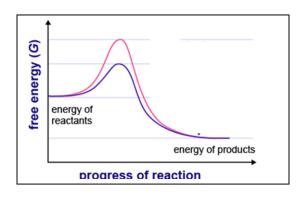
Factors that affect enzyme catalyst are: and __

Define denature:



At what pH do both enzymes have activity? _____

What is the optimum pH for Trypsin? _____



What is activation energy?

What do enzymes do to activation energy?