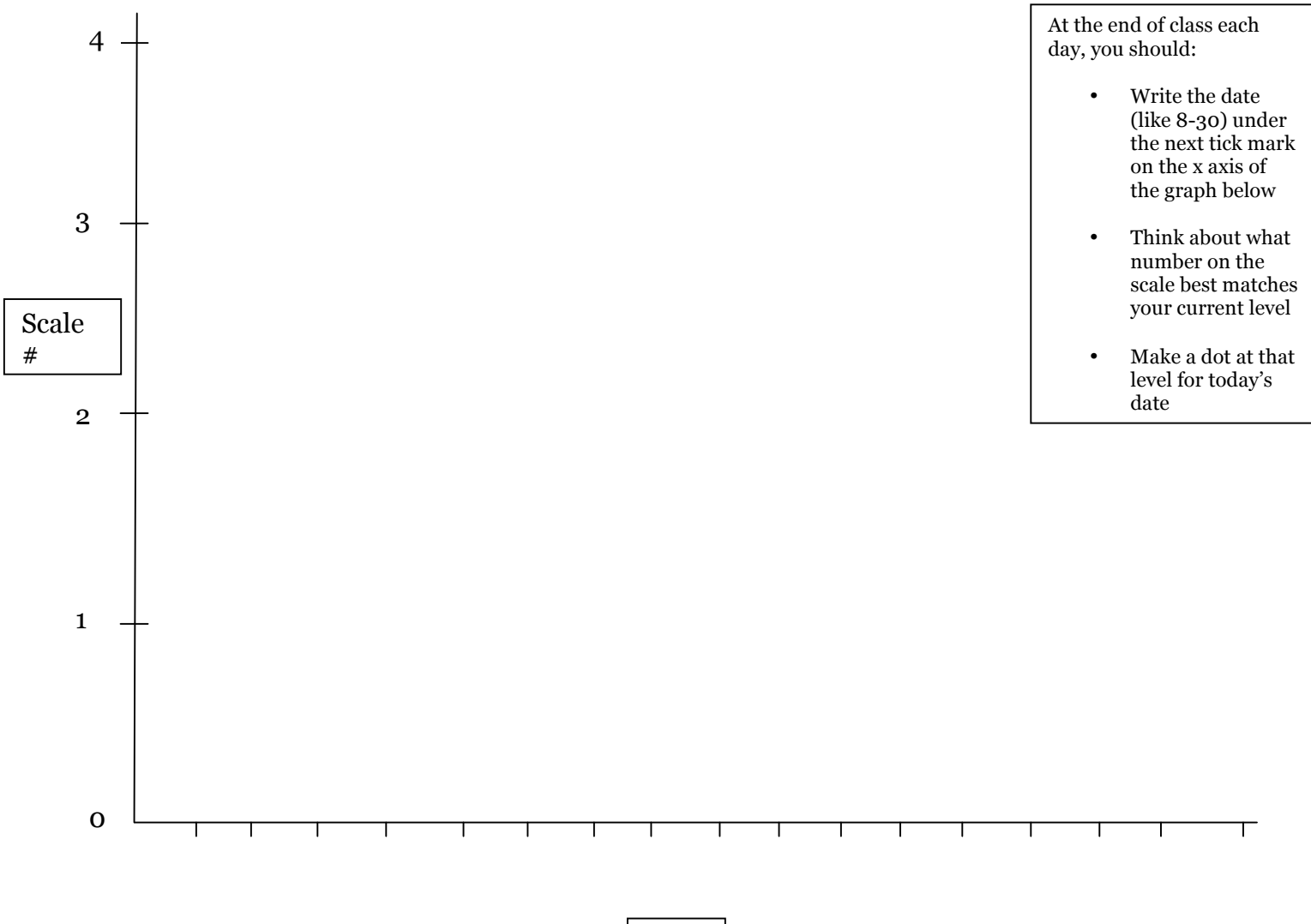


Biochemistry: Learning Goal and Scale

Learning Goal: Compare the structure and function of carbohydrates, lipids, proteins, and nucleic acids in organisms. Compare and contrast hydrolysis and condensation reactions. Be able to describe the levels of protein structure. Understand how enzyme function can be affected	
Textbook Chapter(s): 3	
Scale	Description
4.0	You can theorize how changing the structure of a macromolecule will change the function.
3.0	You can compare the structure and function of carbohydrates, lipids, proteins, and nucleic acids in organisms
2.0	You can name and describe some of the macromolecules.
1.0	With help, you understand some of the ideas and vocabulary words
0	Even with help, you don't understand
Vocabulary:	Macromolecule Monomer Polymer Carbohydrate Sugar Starch Lipid Nucleic Acid Protein Amino Acid Dehydration Synthesis Hydrolysis



Vocabulary Activity

Learning Goal Activity

Instructions for the Vocabulary Activity:

1. Copy all of your vocabulary words into the box
2. Next to each word, write ONE of the following things
 - a. The definition
 - b. A fact
 - c. An example
 - d. Use the word in a sentence

Instructions for the Learning Goal Activity:

1. Split the box into 4 parts and label each part the a different macromolecule (Carbohydrate, Lipid, Protein, Nucleic Acid)
2. In each box, write 4 words that are unique or important to that macromolecule

Learning Goal Activity			
Carbohydrate		Protein	
1	3	1	3
2	4	2	4
Lipid		Nucleic Acid	
1	3	1	3
2	4	2	4

Suggested Study Activity: Flash Cards

1. On the front of the card, write the macromolecule and the heading of the box
2. On the back of the card, write the information that goes in the box

Front

Carbohydrate

Back

Sugar