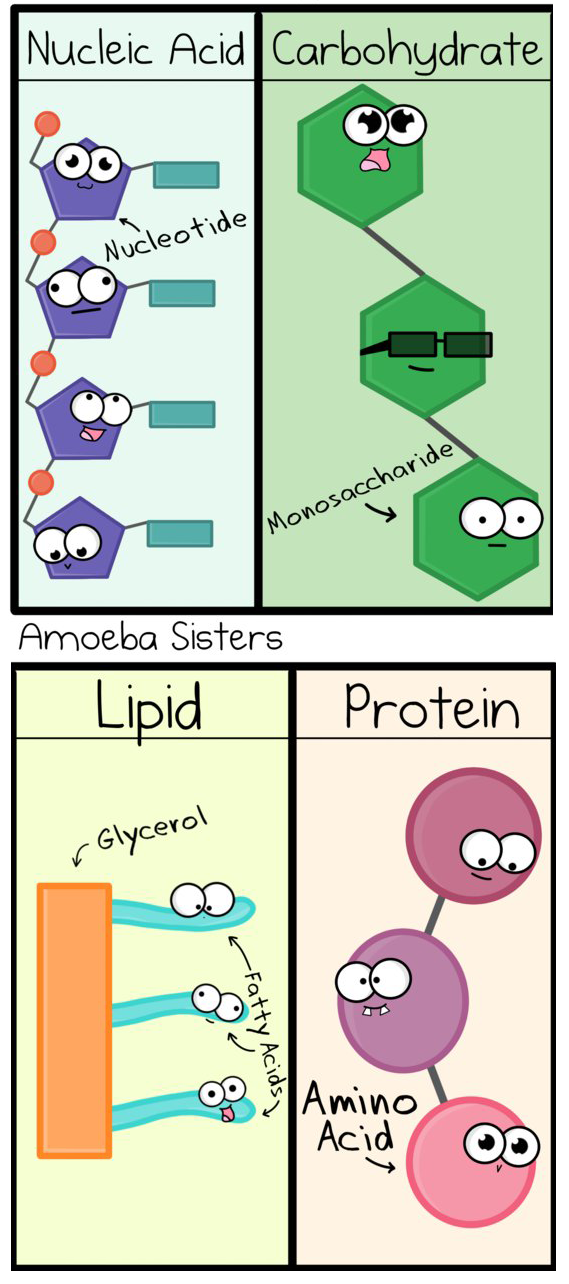
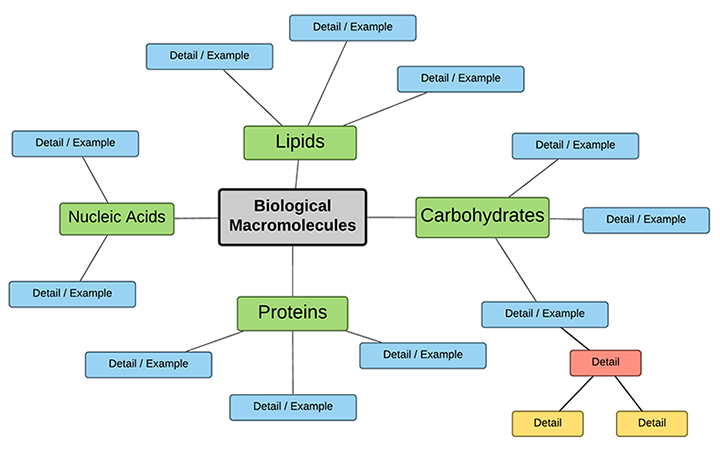
**Create a Concept Map of Biomolecules**

15

Concept maps are a type of graphic organizer that can help you make sense of difficult topics. Biological macromolecules are one of those topics that will require you to have a good mental map of all of the different types of molecules, where they are located, and their functions. There are four major biomolecules important to life:

**Your Assignment:** As a group, construct a concept map that illustrates the major properties, functions and examples of the four groups of molecules. You can use your book and other resources to create a comprehensive graphic, that contains details and sketches. Your map will be created on a whiteboard or poster board. The following skeleton can help you get started, but you will need to determine how many details and examples you will need.



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| --- | --- | --- | --- | --- |
| **Grading Rubric** | | | | |
|  |  | 3 pts | 2 pts | 1 pts |
| Biomolecules | Carbohydrates | Topic has 15 -20 accurate details which include examples, definitions, and locations or functions, subtopics are included, branches from details included in at least 2 areas. includes 1-2 sketches per topic  (3 pts each → 12 total) | Topic has 10-14 details which include examples, definitions, and locations or functions, subtopics are included. May include minor errors with details. Includes at least 1 sketch. | Topic has at least 4 details which include examples, definitions, and locations or functions, subtopics are included, some errors in details, sketches not included |
| Lipids |
| Proteins |
| Nucleic Acids |
|  | Overall Organization | Graphic organizer is a map (not a list or outline), individual details are short phrases and are linked to other details. Map uses color or shapes to make it easy for reader to follow. | Graphic is mostly mapped, though some details are listed and not  linked to other details. Somewhat difficult to follow, or minor problems with organization. | Graphic is not well mapped, created as lists or as paragraphs, details are not linked, but may be included otherwise, somewhat difficult to read or follow.  Total:   \_\_\_\_\_ out of 15 |