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| **GVC #1 -- I can explain the basic chemistry, structure and function of cells.** |
| **Learning Target - b.** I can differentiate between the components and function of the major macromolecules in cells. |

**BOOK NOTES #2**

Pages 39-43 & 46-48 (enzymes)

1. What is an organic compound?

2. What is a macromolecule? Name the four classes of macromolecules.

3. Complete the table:

|  |  |  |  |
| --- | --- | --- | --- |
| Macromolecule | Functions | Elements it Contains | Examples |
| Carbohydrates |  | C, H, O |  |
|  | Long term energy storage, Component of cell membrane |  | Fats, Oils, Waxes, steroids, hormones |
| Proteins |  |  | Muscles, ENZYMES |
|  | Carry genetic information | C, H, O, N, P |  |

4. Explain how an enzyme works as a catalyst (p. 46):