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| **Learning Intentions** | Students are able to take effective notes to develop their understanding about the role organic substances play in cell function. Students should be able to:   * Define chemical terms that are required to better understand cell function. * Understand what organic compounds are. * Know the 4 major groups of biological macromolecules that play a major role in cell function. * Identify the composition and structure of the macromolecules * Know where they are found in cells. * Give an example of these. |
| **Resources** | Andrew Douch’s Podcast Crash Course in Chemistry  Other useful resources: Heinemann Biology 1 pp.13-17 Biozone  \*Biological Molecules p 38 \*Carbohydrates p 39 (Please note another name for Carbohydrates are Poysaccharides \*Lipids p 40 \* Nucleotides and Nucleic acids \*Amino Acids p42 and Proteins p 43 PowerPoint – Biological Molecules |
| **Define and give examples (in Biology) of the following:**  Atom  Element  Molecule  Compound  Pure Substance  Ions  Organic Compound  Polar Compound  Inorganic Compound  Ionic Compounds  Covalent compounds  Hydrogen bonds  What are the major group of macromolecules? Write notes about each below. | Neutral molecule but more positive charged on one end and negative charged on another e.g. water  Molecule or atom that has an overall positive or negative charge |
| *Summarise what you have learned today* | |