**Instructions:** In this activity, you will work to become an expert on the basics of on type of biomolecule. Use your resources (textbook, internet, each other) to research each macromolecule and fill in the document

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| **Carbohydrates** |  |
| What is the general formula for carbohydrates? |  |
| What are the primary roles of carbohydrates in living organisms? |  |
| What are the monomers and polymers of carbohydrates? |  |
| What is the chemical structure of a carbohydrate? (Include a diagram) |  |
| Give the names of some specific examples of carbohydrates. |  |

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| **Lipids** |  |
| What is the general formula for lipids? |  |
| What are the primary roles of lipids in living organisms? |  |
| What are the monomers and polymers of lipids? |  |
| What is the chemical structure of a lipid? (Include a diagram) |  |
| Give the names of some specific examples of lipids. |  |

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| **Proteins** |  |
| What is the general formula for proteins? |  |
| What are the primary roles of proteins in living organisms? |  |
| What are the monomers and polymers of proteins? |  |
| What is the chemical structure of a proteins? (Include a diagram) |  |
| Give the names of some specific examples of proteins. |  |

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| **Nucleic Acids** |  |
| What is the general formula for nucleic acids? |  |
| What are the primary roles of nucleic acids in living organisms? |  |
| What are the monomers and polymers of nucleic acids? |  |
| What is the chemical structure of a nucleic acids? (Include a diagram) |  |
| Give the names of some specific examples of nucleic acids. |  |