**Artifact Options**

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| **Learning Objective** | **Artifact Options** | **Completed** |
| Describe the importance of polarity in maintaining cells and living organisms. (1) | * Polarity notes
* Biological examples of polarity
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| Describe the fundamental chemistry of living cells. (3) | * Macromolecule graphic organizer
* Macromolecule lab
* Macromolecule menu
* Enzyme notes
* Toothpickase modeling
* Enzyme lab
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| Describe the flow of energy and matter in cellular function. (3) | * Photosynthesis and respiration notes
* Photosynthsis/Respiration pattern puzzles
* Photosynthesis lab
* Respiration lab
* Fermentation lab
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| Investigate the structure of cells and cell parts. (3) | * Microscopy lab
* Cell notes
* History of the cell theory timeline
* Organelle graphic organizer
* Cell organelle project
* Osmosis lab
* Cell membrane modeling lab
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| Describe the structure and function of organs. (2)*And*Describe the relationship between structure and function of organ systems in plants and animals. | * Organ/organ system graphic organizer
* Organ/organ system project
* Comparative anatomy dissection
* Heart lung dissection
* Plant dissection
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