**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 |  |
| Describe the fundamental chemistry of living cells. (3) | * Macromolecule graphic organizer * Macromolecule lab * Macromolecule menu * Enzyme notes * Toothpickase modeling * Enzyme lab |  |
| 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 |  |
| 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 |  |
| 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 |  |