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| **GLCE** | Knowledge |  | Know-how | Wisdom |  |  | Teacher Initials |
| Recognize that all organisms are composed of cells (single cell organisms, multicellular organisms). |  |  |  |  |  |  |  |
| Explain how cells make up different body tissues, organs, and organ systems. |  |  |  |  |  |  |  |
| Describe how cells in all multicellular organisms are specialized to tak in nutrients, which are used to make the materials that a cell or organism needs. |  |  |  |  |  |  |  |
| Recognize that cells function in a similar way in all organisms. |  |  |  |  |  |  |  |
| Describe growth and development in terms of increase of cell number and/or cell size. |  |  |  |  |  |  |  |
| Examine how through cell division, cells can become specialized for specific functions. |  |  |  |  |  |  |  |
| Recognize the need for light to provide energy for the production of carbohydrates, proteins, and fats. |  |  |  |  |  |  |  |
| Explain that carbon dioxide and water are used to produce carbohydrates, proteins, and fats. |  |  |  |  |  |  |  |
| Describe evidence that plants make, use, and store food. |  |  |  |  |  |  |  |
| Explain how light energy is transferred to chemical energy through the process of photosynthesis. |  |  |  |  |  |  |  |
| Compare how characteristics of living things are passed on through generations, both asexually and sexually. |  |  |  |  |  |  |  |
| Compare and contrast the advantages and disadvantages of sexual vs. asexual reproduction. |  |  |  |  |  |  |  |