**Life Functions**

**Predict:** What are the characteristics of something that is alive?

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| **Functions of Life** | Definition | Which organelle(s) in the cell performs this function? | Organ or organ system that supports the cells in that function.  |
| 1. Respiration | Breathing; Using \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to breakdown \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_to give off \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |  |
| 2. Reproduction | the process by which living things produce \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ living things of the same kind |  |  |
| 3. Regulation | The process where a living things \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ its various activities. |  |  |
| 4. Excretion/Elimination | The process by which living things \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_waste products produced by cell activities |  |  |
| 5. Growth | The process by which living things increase in \_\_\_\_\_\_\_\_\_\_\_ or \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |  |
| 6. Nutrition | The process by which living things \_\_\_\_\_\_\_\_\_\_\_ materials from its environment for \_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_ |  |  |
| 7. Transport | The process by which usable materials are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the living thing (ABSORPTION) and \_\_\_\_\_\_\_\_\_\_\_\_ throughout the living thing (CIRCULATION) |  |  |
| 8. Synthesis | The process by which \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, simple substances are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ chemically to form \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, more complex substances |  |  |

**Instructions:** Write the life function(s) next to the cell organelle(s) that perform that function.