Cells Unit Notes

DO NOT LOSE!

New Area of Focus: What does it mean to be living?

* Organism – Any \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ thing
* Characteristics of living things
* Made of \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ Elements

SPONCH

25 of the elements are essential for \_\_\_\_\_.

SPONCH elements are the most \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ important.

* Percentage of SPONCH elements in living things.
* **S.** Sulfur Trace
* **P.** Phosphorus 1.0%
* **O.** \_\_\_\_\_\_\_\_\_\_ 65.0%
* **N.** Nitrogen 3.3%
* **C.** Carbon 18.5%
* **H.** \_\_\_\_\_\_\_\_\_\_\_\_\_ 9.56%
* Other (Trace) 3.0%
* Made of \_\_\_\_\_\_\_\_\_\_\_\_.
* Moves.
* Responds to a \_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* Uses \_\_\_\_\_\_\_\_\_\_\_\_\_.
* Adjusts to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
  + Maintains \_\_\_\_\_\_\_\_\_\_\_\_\_\_ body conditions.
  + Maintains homeo\_\_\_\_\_\_\_\_\_\_\_.
* Reproduces.
* Grows and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
  + Grow-To increase in \_\_\_\_\_\_\_\_.
  + Develop-To change in \_\_\_\_\_\_\_\_\_\_\_.
* Adapts to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
  + Evolves / Inherits \_\_\_\_\_\_\_\_\_\_ that promote survival.
* Has a life span.
* In Science theory
  + Abiogenesis explains the origin of \_\_\_\_\_\_\_\_\_\_.
  + \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ explains how life changes once it exists.
  + The two are different.
* Needs of Living Things
  + Energy – Supplied by the \_\_\_\_\_\_\_\_ (most of the time) and stored in food. TINSTAAFL!
  + Oxygen – To burn the food in cells. (\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)
  + Water – To keep things \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in and out of cells. (Universal Solvent)
  + Minerals- For proper chemical \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.