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 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.