Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_\_\_\_\_\_

**Biology: Chapter 1 Notes**

**Directions:** Fill in the blanks with the **purple** text from the PowerPoint. Keep this page in your notes.

Biology = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*What is Life?*

* 1. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** –\_\_\_\_\_\_\_\_\_\_\_\_\_: includes all organisms, water, land, and air
* 2. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** – living things
* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** – the thought that living things come from non-living things (bees / flies) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*Life*

* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** – living things come from other living things
  + \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
  + *examples*: butterflies, frogs, humans, plants
* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_:** how do we put order to living things?
  + There are so many, we must have a way to know what we are talking about, no matter where we are in the world.

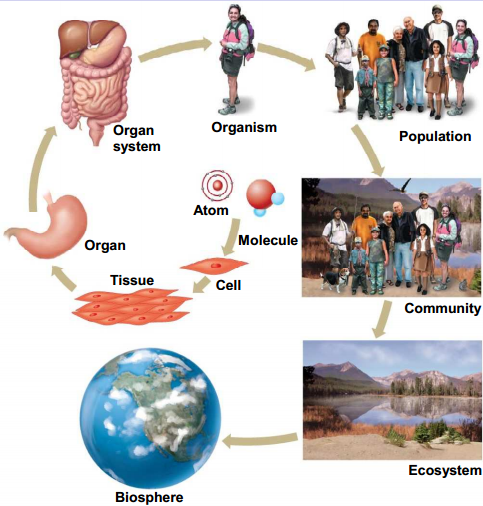
*Living Things*

* **Cell** – smallest unit of living things. Some organisms are made of only 1 cell (\_\_\_\_\_\_\_\_\_\_\_\_\_) others are made up of many cells (\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)
  + The cell is the “\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_”

*Characteristics of Living Things*

* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** – ability to do work (this can \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)
  + Ice to Water to Steam
* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**- \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of a living thing.
* **Development** – change in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of a living thing.
* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** – making of new cells from living cells that already exist.
* **Response** – how living things \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* **Adaptation** – \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and then these responses are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. (appendix / hair)

*Levels of Organization*

**

* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** – ­­­­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ working together for a function.
* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_** – \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_) working together for a specific purpose.
* **System** – several organs working together for a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** – A living thing, made up of several systems that ­­­­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in a niche.
* **Niche** – a small environment where organisms \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. (area just their own)
* What is a predator? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* What is prey? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*Lab Report*

1. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_-** Name for the lab or experiment

2. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** - why we do the lab, what are we doing. Explained in 1 or 2 sentences. (logical guess)

3. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** – Items and equipment needed for the lab. (often in a list format)

4. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** - How to do the lab (dry example or walk through)

5. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** – what is taking place, what do you see or observe? (charts, graphs, times, pictures, drawings, etc.) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_!

*Examples*

* **Variable**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in the experiment?
* **Control / constant**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* **Theory**: is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ hypothesis. Lasts over time…..

*Lab Report*

6. **Conclusion** - result, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_