**Ecology Notes**

**Important Vocabulary**

|  |  |
| --- | --- |
| **Word** | **Meaning** |
| Auto- |  |
| Hetero- |  |
| -troph |  |
| Bio - |  |
| Hydro- |  |
| Photo- |  |
| Chemo- |  |
| -synthesis |  |

* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is the main energy source for life on earth.
  + \_\_\_\_\_\_\_\_\_\_\_\_\_\_ = anything found in or produced by living things (oxygen, carbon dioxide)
  + \_\_\_\_\_\_\_\_\_\_\_\_\_\_ = things not found in or produced by living things (sunlight)

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are organisms that make their own food

* Auto means “self”, troph means “feeder”

Autotroph – “\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_”

* Another name for autotrophs is \_\_\_\_\_\_\_\_\_\_\_\_\_because they produce their own food.
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_ are autotrophs that make their own food from sunlight, water, and air. This process is called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

* Some bacteria make their food from chemicals.
  + This is called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are organisms that need to eat other things. They cannot make their own food.

* Hetero means \_\_\_\_\_\_\_\_\_\_\_
* Another name for heterotrophs is\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, because they consume food

Examples – \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are visuals used to show feeding interactions between organisms. Arrows always point to the organism that is: (circle one) **being eaten / eating the other**

\*By eating other organisms, heterotrophs get \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ for performing life processes

\*List the names of the trophic levels below, beginning with plants: