**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Photosynthesis and Cellular Respiration Notes**

|  |  |
| --- | --- |
| **Topic** | **Information** |
| **Two ways to get food** | * “troph” =
* Autotrophs
	+ Auto =
	+ Autotrophs make their own
* Heterotrophs
	+ Hetero =
	+ Heterotrophs get their \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_from something \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (they have to eat it)
* Autotrophs
	+
* Heterotrophs
 |
| **Photosynthesis** | * Converts into

 stored in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_* Takes place in specialized structures inside plant cells called **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
	+ is the pigment that absorbs \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
 |
| **Photosynthesis Reaction** | * 6\_\_\_\_\_\_\_\_\_+ 6 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_+ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 energy → \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_+ \_\_\_\_\_\_\_\_\_\_\_\_* The food plants make is called (sugar)
* **2 different reactions**
	+ ­­­­­­­­­­­­­­­­­­­­­­­­­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
		- Capture \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ energy for photosynthesis
	+ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
		- Produces \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ sugar
 |
| **Inside a Chloroplast** | PhotosynthOverview2 |
| **Cellular Respiration** | * Cellular =
* Respiration =
* Happens in both \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ cells
* Depends on whether or not there is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Aero = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Respiration – makes \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Anaerobic Respiration – \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (makes alcohol)
 |
| **Summary: 3 sentences summarizing notes** |  |