**Life Processes**

* Life began in the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Organism need \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ for cell processes
* Where does energy come from?

**Photosynthesis**

* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ containing organisms capture sunlight
* They make food using sunlight, carbon dioxide, and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* These organisms start food chains
* Coral reefs support \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in warm shallow waters.
* Which zone does this occur?
* Equation?

**Chemosynthesis**

* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ perform chemosynthesis using \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Occurs in the deep ocean along mid-ocean ridges at \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* These organisms also start food chains

**Ocean Life**

* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ - tiny marine algae and animals that \_\_\_\_\_\_\_\_\_\_\_\_ with the currents; most float in the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ zone (why?)
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ - animals that \_\_\_\_\_\_\_\_\_\_\_\_\_ (rather than drift)
	+ Examples:
	+ Why do they move around?
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ - plants, algae, and animals that live on the seafloor
	+ Called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	+ Examples: kelp beds, crabs, coral, snails, clams, etc.



**Biological Oceanography**

* Kelp forests exist where \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ brings cold nutrient rich water to the surface.