**Notes: Introduction To Ecology**

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| **Comments:** | **Notes:** |
| AKA:BIOTIC = LivingAKA:**A**BIOTIC = NOT Livingbiosphere.gif (14986 bytes) | 1. Origin of the word…”ecology”

**Greek origin*** + 1. OIKOS = household
		2. LOGOS = study of…

**Together:** Study of the “house/environment” in which we live.1. Ecology is study of interactions between
	1. **Non-living components in the environment**…

Light/ water/ wind/ nutrients in soil/ heat/ solar radiation/ atmosphere, etc. * 1. **Living organisms…**

Plants/ Animals/ microorganisms in soil, etc.1. To study Ecology involves…
	1. *For non-living (abiotic)*

Climatology/ Hydrology/ Oceanography/ Physics/ Chemistry/ Geology/ soil analysis, etc.1. Levels of Organization - a *hierarchy* of organization in the environment
	1. Levels of organization - Terms
		1. Biosphere: Surface of the earth, Composed of many ecosystems

Biosphere: Surface of the earth, Composed of many ecosystems**⇓**Ecosystem: Large or small as we decide (Backyard, Samuel P Taylor Park, etc.)**⇓**Population: one species live in one place at one time**⇓**Community All populations (diff. species) that live in a particular area.**⇓**Habitat – physical location of community**⇓**Organism – simplest level of organization**Preview**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Relationships:**Symbiosis**: living together with another organism in close association

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| Mutualism(+/+) | Commensalism(+/0) | Parasitism(+/-) |
| sym3sm | sym2sm | sym1sm |

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| Summary:  |