**Notes: Introduction To Ecology**

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| **Comments:** | **Notes:** |
| AKA:  BIOTIC = Living  AKA:  **A**BIOTIC = NOT Living  biosphere.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   |  |  |  | | --- | --- | --- | | Mutualism  (+/+) | Commensalism  (+/0) | Parasitism  (+/-) | | sym3sm | sym2sm | sym1sm | |
| Summary: | |