Chapter 18 Section 1:

Everything is Connected

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| Keyword(s) | Notes |
| Ecology  | * The study of interactions of organisms with one another and their environment
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| Two parts of an environment | * An organism’s environment consists of all the things that affect the organism (biotic & abiotic)
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| Biotic | * All of the organisms that live together and interact
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| Abiotic | * The part of the environment that consists of the nonliving factors (water, soil, light, temperature)
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| Organization in the environment | * Organized in levels
* Level 1: individual organism
* Level 2: Population (similar organisms)
* Level 3: Community (different populations)
* Level 4: Ecosystem (the community and its abiotic environment)
* Level 5: Biosphere (contains all ecosystems)
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| Population | * A group of individuals of the same species that live together
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| Community | * Consists of all the populations of species that live and interact in an area
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| Ecosystem | * Made up of a community of organisms and the abiotic environment of the community
* An ecologist would study how the organisms interact as well as how temperature, precipitation, and soil characteristics affect the organisms
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| Biosphere | * The part of Earth where life exists
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