LIVING	THINGS AND THE ENVIRONMENT
HABITATS	
	<ul><li>living things = ORGANISMS</li></ul>
	<ul> <li>organisms need food, water, shelter,</li> </ul>
	etc. to live, grow, and reproduce
	HABITATS provide these needs
	<ul> <li>many different habitats (can be</li> </ul>
	small; can be large)
	more than one habitat in area
	ACTORS
BIOTIC 17	
	<ul> <li>living parts of an organism's habitat are BIOTIC FACTORS</li> </ul>
	BIOTIC FACTORS
	biotic factors include foods, predators,
	competition of other organisms, disease, etc.

F	ABIOTIC FACTORS
	<ul> <li>non-living parts of an organism's habitat are</li> <li>ABIOTIC FACTORS</li> </ul>
	1. <u>WATER</u>
	<ul> <li>water is used by all living things in cellular processes</li> </ul>
	2. <u>SUNLIGHT</u>
+	<ul><li>sunlight is used in PHOTOSYNTHESIS</li></ul>
	<ul> <li>energy from the sun is passed through the food chain to other organisms</li> </ul>
	3. <u>OXYGEN</u>
+	<ul> <li>oxygen is used for energy release</li> </ul>
	4. <u>TEMPERATURE</u>
	<ul> <li>Goldilocks knew her stuff not too hot; not too cold</li> </ul>
	<ul> <li>temperature determines WHO can live in a habitat</li> </ul>
	5. <u>SOIL</u>
	<ul> <li>soil is a mixture of rock fragments, nutrients, air, water, and decaying organisms</li> </ul>
	<ul> <li>soil influences types of plants that grow in a habitat</li> </ul>

LEV	'ELS OF ORGANIZATION
	1. <u>POPULATIONS</u>
	<ul> <li>number of all the members of one species in a particular area makes a POPULATION</li> </ul>
	<ul> <li>SPECIES is a group of organisms that is</li> </ul>
	physically similar and can mate and
	reproduce offspring that can also mate and reproduce
	2. COMMUNITIES
	<ul> <li>all the different populations that live</li> </ul>
	together in an area makes a <b>COMMUNITY</b>
	<ul> <li>organisms must interact closely to be</li> </ul>
	considered a community (predator/prey,
	food chains/webs, etc.)
	3. <u>ECOSYSTEMS</u>
	<ul> <li>a community of organisms along with</li> </ul>
	nonliving surroundings makes an ECOSYSTEM
	<ul> <li>both biotic and abiotic factors are part of</li> </ul>
	an ecosystem
	<ul> <li>The study of HOW living things interact with</li> </ul>
	each other and their surroundings is called
1	ECOLOGY

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