# APES Unit 1 Study Guide The Living World: Econystems Teacher's KEY

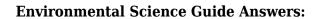
The first and of AF Environmental Science will introduce and/or reaspassed you with the ecology of the Eures. We will cover acadystems, biomes, the biogeochemical cycles, fixed chains, and fixed webs.

#### ert 1. Short Answer Questions

1.0	Describe absorb: & biotic factors in ecosystems, and give examples of energy converting from one form to another.
	<ol> <li>State the First Law of Thormodynamics. Energy is neither created nor destroyed, but transferred.</li> <li>What is the main difference between kinetic and petential energy? Petential energy in stored, kinetic energy is in motion.</li> <li>What is the difference between a community and an ecosystem? A community consists of all the populations of bring things in an area. An ecosystem includes the community and the abiotic factors.</li> <li>Give 1939 examples of biotic factors and 1939 examples of shintic factors in a pend ecosystem. Biotic = bacteria, algae Abiotic = Dissolved oxygen levels, water temperature.</li> <li>Why is the Gray Wolf in Vellowstone considered a kepstone species? Gray welves are top predators. Their presence influences the health of the ecosystem as they prevent grazing animals from becoming overpopulated, and after their behavior.</li> </ol>
1.1	Explain how the availability of resources influencies species interactions.
	<ol> <li>Define resource partitioning and give an example. Resource partitioning mitigates competition. It involves using a resource in different ways, at different times, or different parts. For example, many species of warbler can occupy the same tree since they use different parts of the resource.</li> <li>Give an example of a nesticulistic interspecific interaction. Mutualism = both species benefit. For example, coral rests and resonantisellae signs in their times.</li> <li>Give an example of commensulism. One benefits and the other is not affected. For example, Cartus wren nesting on a cartus.</li> <li>Give an example of a parasitic symbiotic relationship. The parasite benefits while the host is harmed (availly weakened). For example, duglish shark and tapeners.</li> </ol>
1.2	Describe the global distribution and principal environmental aspects of herestrial biomes.

# **Environmental Science Guide Answers**

**RC Schank** 



The book delves into Environmental Science Guide Answers. Environmental Science Guide Answers is a crucial topic that must be grasped by everyone, ranging from students and scholars to the general public. The book will furnish comprehensive and in-depth insights into Environmental Science Guide Answers, encompassing both the fundamentals and more intricate discussions.

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  - Chapter 1: Introduction to Environmental Science Guide Answers
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