

Study Guide - Ecosystems - Test Date _____

Reread pages 130 - 133, 150-157, and 166 - 171 in text.

Review vocabulary in science notebook.

Guide Questions - Use pages 130 - 133.

- What is the difference between abiotic and biotic factors? Be able to identify examples of each in an ecosystem illustration.
- What is an ecosystem? What can we say about its size? Why are nonliving things important to all living things?
- Know examples of different habitats.
- What is the difference between a population and a community? Name examples of populations in a pond community.
- What 3 factors affect the size of a community?

Guide Questions - Use pages 150 - 157.

- What are producers? Know examples.
- What are consumers? Know the 3 kinds of consumers and what each eats. Also, know examples for each kind.
- What are decomposers? Why are they important? Know examples of each.
- Where does the energy come from in a food chain?
- How does the energy move in a food chain?
- Which member of the food chain receives the most energy from the sun? The least?
- Be able to explain the food chains pictured on pages 152 and 153.
- Which one begins a food chain - producer or consumer?
- Why are producers so important?



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- How is a food web different from a food chain?
- What is the difference between predator and prey?
- Be able to explain the food webs on p. 154 and p. 155.
- What is competition? For what do plants compete?
- What is an energy pyramid? What is always found at the base of an energy pyramid? What is found at the next level? What are found at the top levels?
- True or False - The animals at the top of the energy pyramid receive the smallest amount of energy.

Guide Questions - Use pages 166 - 171.

- What are adaptations? What adaptations do the camel and fennec fox have that enable them to survive in the desert?
- Know what hibernation, migration, camouflage, and mimicry are. Know examples for hibernation, camouflage, and mimicry.
- True or False. An adaptation can be a physical characteristic or a behavior.
- Explain the relationship between a flea and a mammal like a dog and between an Egyptian plover and a Nile crocodile.

