

Unit 6A Ecology Study Guide
Test 3/22/2017

Terms to know – Define and give examples

Producers

Consumers

Decomposer

Herbivore

Omnivore

Carnivore

Food web

Energy pyramid

Symbiosis

Mutualism

Commensalism

Parasitism

Abiotic

Biotic

Unit 6A Ecology Study Guide
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Levels of Organization (starting with cell, ending with biosphere)

1. List the characteristics (climate, organisms, location, and any relevant facts) of each terrestrial biome. Use your chart!

A. Taiga/Coniferous forest

B. Tundra

C. Temperate deciduous forest

D. Grassland/ savanna

E. Temperate Rainforest

F. Tropical Rainforest

G. Desert

2. List the abiotic and biotic factors, as well as relevant facts, about the aquatic ecosystems. Use your chart!

A. Oceans

B. Estuaries

Unit 6A Ecology Study Guide
Test 3/22/2017

C. Coral Reef

D. Wetlands

E. Lakes/Ponds

F. Rivers/Streams

3. What is the difference between the three types of symbiosis?

4. What is the ultimate source of all energy?

5. What is the difference between marshes and swamps?

6. Draw an energy pyramid with a producer, consumer, and secondary consumer, then draw arrows to demonstrate the flow of energy. Label which one will have the most energy available, and the least.

7. What aspect of estuaries allows them to support a large amount of plant life?

8. If we are using a food chain of grass -> caribou -> wolves, what would happen if we were to remove one of the organisms from the food chain?

9. What is the difference between a food chain and a food web?

10. In a food web/chain, what does the arrow represent?