

## QUIZ TWO REVIEW SHEET

### VOCABULARY

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photosynthesis	respiration	ecology
environment	abiotic/biotic	limiting factors
range of tolerance	habitat	niche
population	species	natural selection
evolution	speciation	extinction
symbiosis	predation	competition
mutualism	commensalism	parasitism
community	ecosystem	producers
consumers	herbivores	carnivores
decomposers	keystone species	trophic level
food chain/web	biomass	freshwater
marine	biodiversity	extirpation
species richness	taxonomic richness	silviculture
by-catch	ecotourism	

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### CONCEPTS

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#### MATTER, ENERGY, AND THE ENVIRONMENT (CH 4)

Organic matter: contains energy and building materials for living organisms  
 Know reactants (what goes in) and products (what comes out) of photosynthesis  
 Know reactants (what goes in) and products (what comes out) of respiration

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#### INTERACTIONS: ENVIRONMENT AND ORGANISMS

Ecological Concepts slide (organism-> population-> community-> ecosystem)  
 Ecological concepts – species diversity decreases from equator towards poles  
 Know major elements of the carbon, nitrogen, and phosphorus cycles  
 Human impacts on nutrient cycles

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#### ECOSYSTEMS AND COMMUNITIES

Effects of elevation and climate on vegetation  
 Environmental factors that shape aquatic systems

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#### BIODIVERSITY ISSUES

Current extinction rate vs. expected background rate  
 5 categories of major threats to biodiversity  
 Most deforestation taking place in the tropics, know the slide listing concerns  
 Know types of ecosystem services and their approximate value \$/year  
 Importance of biodiversity (source of crops, medicines, etc.)

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