**Glossary Terms for Chapters 3-6**

**Chapter 3**EcologyBiosphere

Species

Population

Community

Ecosystem

Biome

Autotroph

Producer

Photosynthesis

Chemosynthesis

Heterotroph

Consumer

Omnivore

Detritivore/decomposer

Food chain

Food web

Trophic level

Ecological pyramid

Pyramid of numbers

Pyramid of Biomass

Pyramid of Energy

Biogeochemical cycles

Evaporation

Transpiration

Nutrient

Nitrogen fixation

Denitrification

Primary productivity

Limiting nutrient

Algal bloom

Dead zone

**Chapter 4**

weather

climate

greenhouse effect

polar zone

temperate zone

tropical zone

biotic factor

abiotic factor

habitat

niche

resource

competitive exclusion principle

predation

symbiosis

mutualism

commensalism

parasitism

ecological succession

primary succession

secondary succession

pioneer species

biome

tolerance

microclimate

deciduous

coniferous

humus

taiga

permafrost

plankton

phytoplankton

zooplankton

wetland

estuary

detritus

salt marsh

mangrove swamp

photic zone

aphotic zone

zonation

coastal ocean

kelp forest

coral reef

**Chapter 5**

Population Density

immigration

emigration

exponential growth

logistic growth

carrying capacity

limiting factor

density-dependent factor

density-independent factor

predator-prey relationship

demography

demographic transition

age-structure diagram

**Chapter 6**

agriculture

monoculture

green revolution

renewable resource

sustainable development

soil erosion

desertification

deforestation

aquaculture

smog

pollutant

acid rain

biodiversity

ecosystem diversity

species diversity

genetic diversity

extinction

endangered species

habitat fragmentation

biological magnification

invasive species

conservation

ozone layer

global warming/climate change