

Name:_____ Class:_____ Date:_____

The Biosphere: Guided Notes

Vocabulary

Ecology
Biosphere
Species
Population
Community
Ecosystem
Biome
Producer
Consumer
Autotroph
Heterotroph
Decomposer

Food Chain
Food Web
Trophic Level
Ecological
Pyramid
Biogeochemical
Cycles
Evaporation
Transpiration
Nitrogen Fixation
Denitrification
Water Cycle
Nitrogen Cycle
Carbon Cycle

ECOLOGY:

It is the study of the interactions between _____ and their _____.

The interaction between the _____ and _____ factors

ABIOTIC:

The environment's _____ components—physical and chemical components that shape the environment

Examples of Abiotic Factors:

- Energy source
- Temperature
- _____
- Nutrient Availability

ENERGY SOURCE:

Without a constant source of energy, living things _____!

What is the primary source of energy for living things on Earth?

TEMPERATURE:

Directly affects metabolism

All living organisms have a _____ of temperature in which they best operate

At or below _____ and above _____ will destroy the enzymes of most organisms.

WATER:

Is essential for all life.

Critical for most _____ chemical reactions

Helps maintain _____

Helps prevent _____

NUTRIENT AVAILABILITY:

_____ are all the chemical substances an organism needs to sustain its life.

BIOTIC FACTORS:

All of the _____ organisms in an area. Means living or once lived.

BIOSPHERE:

It is the areas on Earth where _____ is found

It includes any place on land, in the water or in the _____
where organisms live

Living Organisms in the Biosphere:

- Living organisms are found from about _____ above the Earth to

about _____ deep in the ocean

ECOSYSTEM:

All the _____ factors and _____ factors found in a certain place at any time.

COMMUNITY:

All the organisms _____ in a specific area at a specific _____

POPULATION:

A group of individuals of the _____ living in the same area at the same time

SPECIES:

A group of organisms so similar that they can breed and _____ fertile offspring.