

## Ecology Notes/Study Guide

### Definitions

Abiotic factors  
Adaptation  
Air  
Atmosphere  
Biome  
Biotic factors  
Carnivore  
Climate  
Community  
Competition  
Consumptive Use  
Domestication  
Ecology  
Ecosystem  
Ectothermic  
Endothermic  
Environment  
Exhaustibility  
Food chain  
Food web  
Fossil fuel  
Habitat  
Herbivore  
Homeostasis  
Homeotherm  
Inexhaustibility  
Migration  
Natural resource  
Niche  
Non-renewability  
Omnivore  
Poikilotherm  
Population density  
Predation  
Renewability  
Selection  
Succession  
Water cycle  
Weather  
Wildlife

## Examples

### Natural Resources:

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.

### Renewable Resources:

- 1.
- 2.
- 3.

### Nonrenewable Resources:

- 1.
- 2.
- 3.

### Exhaustible Resources:

- 1.
- 2.
- 3.

### Inexhaustible Resources:

- 1.
- 2.
- 3.

### Renewable, Exhaustible Resource:

- 1.
- 2.

### Renewable, Inexhaustible Resource:

- 1.
- 2.

### Nonrenewable, Exhaustible Resource:

- 1.
- 2.

### Natural Resource Dependence:

- 1.
- 2.
- 3.

### Consumptive Use:

- 1.
- 2.

### Non-Consumptive Use:

- 1.
- 2.

### Biotic Factor:

- 1.
- 2.
- 3.
- 4.

### Abiotic Factor:

- 1.
- 2.
- 3.
- 4.

### Natural Selection:

- 1.
- 2.

### Natural Succession:

- 1.
- 2.

### Homeotherms:

- 1.
- 2.

### Poikilotherms:

- 1.
- 2.

### Aquatic Community:

- 1.
- 2.

### Terrestrial Community:

- 1.
- 2.

Predation:

- 1.
- 2.

Food Chain:

- 1.
- 2.

Herbivore

- 1.
- 2.
- 3.

Carnivore:

- 1.
- 2.
- 3.

Omnivore:

- 1.
- 2.
- 3.

## Questions

1. How are biotic and abiotic factors interconnected in the environment? (Hint: Think large scale/big picture.)
2. Explain what happens in the biotic pyramid and why?
3. Why are the 3 cycles (water, nitrogen, carbon) so important to life on earth?
4. Explain how the world population is growing, and also how that growth impacts our natural resources.
5. What is sustainability and how can it impact our lives?