**BASIC ECOLOGY NOTES PPT WORKSHEET**

What is ecology?

\_\_\_\_\_\_\_\_\_\_\_\_\_ - the scientific\_\_\_\_\_\_\_\_ of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ between \_\_\_\_\_\_\_\_\_\_\_\_\_and their\_\_\_\_\_\_\_\_\_\_\_\_\_\_, focusing on \_\_\_\_\_\_\_\_\_transfer

* It is a science of\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

What do you mean by environment?

The environment is made up of \_\_\_\_\_ factors:

* **\_\_\_\_\_\_\_\_\_ factors**- all \_\_\_\_\_\_\_\_\_\_\_ organisms inhabiting the Earth
* **\_\_\_\_\_\_\_\_\_\_ factors**- \_\_\_\_\_\_\_\_\_\_\_\_ parts of the environment (i.e.\_\_\_\_\_\_\_\_\_\_\_\_\_\_, soil, \_\_\_\_\_\_\_\_\_, moisture, \_\_\_\_\_ currents)

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**Habitat vs. Niche**

**\_\_\_\_\_\_\_\_\_**- the \_\_\_\_\_\_\_\_ a species plays in a community (job)

**\_\_\_\_\_\_\_\_\_\_\_\_**- the \_\_\_\_\_\_\_\_\_ in which an organism \_\_\_\_\_\_\_\_\_\_ out its life (address)

A \_\_\_\_\_\_\_\_\_\_is determined by the \_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_of an organism, or a\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_.

**\_\_\_\_\_\_\_\_\_\_\_\_\_ factor**- any biotic or abiotic factor that \_\_\_\_\_\_\_\_\_ the \_\_\_\_\_\_\_\_\_\_\_\_of organisms in a specific environment.

Examples of limiting factors-

* + - Amount of \_\_\_\_\_\_\_\_\_
		- Amount of \_\_\_\_\_\_\_\_\_
		- \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Feeding Relationships**

* There are \_\_\_ main types of feeding relationships

 1. \_\_\_\_\_\_\_\_\_\_\_\_- \_\_\_\_\_\_\_\_\_\_\_\_\_

2. \_\_\_\_\_\_\_\_\_\_\_- \_\_\_\_\_\_\_

3. \_\_\_\_\_\_\_\_\_\_\_- \_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_- all \_\_\_\_\_\_\_\_\_\_\_\_\_ (plants), they trap \_\_\_\_\_\_\_\_\_\_ from the \_\_\_\_\_\_

* \_\_\_\_\_\_\_\_\_\_ of the food chain

\_\_\_\_\_\_\_\_\_\_\_\_\_- all\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_: they \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_ containing the sun’s energy

* \_\_\_\_\_\_\_\_\_\_\_\_\_
* Carnivores
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Decomposers

Herbivores

* + Eat \_\_\_\_\_\_\_\_\_\_
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_ consumers
* \_\_\_\_\_\_\_\_ animals

Carnivores

* Eat \_\_\_\_\_\_\_\_
* \_\_\_\_\_\_\_\_\_\_\_\_
	+ \_\_\_\_\_\_\_\_ prey animals for food.
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	+ Feed on \_\_\_\_\_\_\_\_\_\_\_, dead animals

Omnivores

* Eat \_\_\_\_\_\_\_ plants and animals

Decomposers

* + - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the complex compounds of \_\_\_\_\_\_and decaying plants and animals into simpler \_\_\_\_\_\_\_\_\_\_\_\_\_ that can be \_\_\_\_\_\_\_\_\_\_\_\_\_\_

**\_\_\_\_\_\_\_\_\_\_\_\_\_**- \_\_\_\_\_\_\_\_\_\_\_\_ to \_\_\_\_\_\_\_ species

**Trophic Levels**

* Each \_\_\_\_\_\_ in a food \_\_\_\_\_\_\_\_is known as a \_\_\_\_\_\_\_\_\_ level.
* Trophic levels \_\_\_\_\_\_\_\_\_\_\_ a feeding \_\_\_\_\_\_ in the \_\_\_\_\_\_\_\_\_ of \_\_\_\_\_\_\_\_\_ and matter in an ecosystem.

**\_\_\_\_\_\_\_\_\_\_\_\_**- the \_\_\_\_\_\_\_\_\_ of \_\_\_\_\_\_\_\_\_\_ matter comprising a group of organisms in a habitat.

* As you move \_\_\_ a food chain, both available \_\_\_\_\_\_\_\_\_ & \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_.
* \_\_\_\_\_\_\_\_\_ is transferred upwards but is \_\_\_\_\_\_\_\_\_\_\_\_\_ with each transfer by \_\_\_\_\_\_\_\_\_\_\_\_.

**\_\_\_\_\_\_\_\_ chain**- \_\_\_\_\_\_\_\_\_\_ model that shows how matter and \_\_\_\_\_\_\_\_\_\_ move through an ecosystem





**Food \_\_\_\_\_\_**- shows \_\_\_\_ possible feeding \_\_\_\_\_\_\_\_\_\_\_\_\_\_ in a community at each \_\_\_\_\_\_\_\_\_ level

* Represents a \_\_\_\_\_\_\_\_\_\_\_\_ of interconnected food \_\_\_\_\_\_\_\_\_ .

**Food chain-** just \_\_\_ path of energy

**Food web-** \_\_\_\_ possible energy paths

Draw a sample food chain that you might see in North Carolina: include a producer, a primary consumer, a secondary consumer, and a tertiary consumer

\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_

**A sample food web of a salt marsh.**

Using the following food web identify one food chain. Then identify the organism that are producers, primary consumer, secondary consumer, tertiary consumer, etc.

\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_

Using the sample food web identify all the animals in each trophic level. Some organism may be in more than one level.

