

Name _____

Period _____

Ecology Webquest

#1 Populations http://www.geography4kids.com/files/land_population.html

- What is population?
- Two things that increase a population
- Two things that decrease a population
- Humans and dogs live together, are they part of the same population? *Why or why not?*

#2 Limiting Factors http://www.geography4kids.com/files/land_population.html

Explain each of the 3 limiting factors listed on this site:

1. _____ -

2. _____ -

3. _____ -

#3 Ecosystems <http://forest.mtu.edu/kidscorner/ecosystems/definition.html>

- What is an ecosystem?
- What do ecosystems include?
- What happens if one part of an ecosystem is damaged or destroyed?

#4: Food Chains <http://www.sheppardsoftware.com/content/animals/kidscorner/foodchain/foodchain.htm>

- What do all living things need? Why?
- Where do animals get it? Plants?

[Click to learn about bigger food chains!](#)

- What do the links (arrows) in a food chain represent?
- Explain how the last food chain represents a full circle of life.

Click on the tabs on the right and fill in the blanks (*herbivore, omnivore, decomposer, etc*)

- A person is called a _____ because they eat meat & vegetables.
- _____ are animals that only eat meat.
- _____ are animals that only eat plants.
- _____ break down dead matter.

#8 Carbon Cycle http://www.windows2universe.org/earth/Water/co2_cycle.html

- Name 2 places on the earth we find carbon
- Plants pull carbon (in the form of carbon dioxide) from the atmosphere to make food, through a process called _____.
- When plants and animals die and _____, carbon goes back into the ground.
- Some carbon is buried deep in the ground and forms _____.
- When humans burn fossil fuels, _____ is released back into the atmosphere.
- When humans and animals exhale, they release carbon back into the air by a process called _____.

#9 Nitrogen Cycle http://www.windows2universe.org/earth/Life/nitrogen_cycle.html

- What are 2 ways nitrogen becomes useable to plants, humans and animals?
- How do herbivores obtain the nitrogen they need?
- How is nitrogen returned to the atmosphere?
- What are two ways humans impact the nitrogen cycle:

#10 Water Cycle http://www.windows2universe.org/earth/Water/water_cycle.html

- Diagram the water cycle:

• **#11 Biomes Around the World** <http://www.ucmp.berkeley.edu/exhibits/biomes/index.php>

- How are biomes determined?
- What are the 6 Biomes of the World?
- What are the Freshwater Ecosystems?
- What are the Marine Ecosystems?

