Ecology Internet Scavenger Hunt


1. What is population?

2. Two things that increase a population

3. Two things that decrease a population

#2 Communities: http://animals.about.com/od/zooloxygenbasics/a/communitysecosystems.htm

1. What is a community?

2. How are communities distinguished?

#3 Ecosystems: https://www.nationalgeographic.org/encyclopedia/ecosystem/

1. What is an ecosystem?

2. What do ecosystems include?

3. What happens if one part of an ecosystem is damaged or destroyed?


1. What is genetic biodiversity? Why is it important?

2. What is ecological biodiversity? Why is it important?
3. What are some threats to biodiversity?

4. How can you help preserve biodiversity?

#5: Food Chains:  
http://www.sheppardsoftware.com/content/animals/kidscorner/foodchain/foodchain.htm
Diagram your food chain using a snake, frog, caterpillar, owl, and flower:

http://ftp.sheppardsoftware.com/content/animals/kidscorner/matching/matching.htm

1. A person is called a _____________________________ because they eat meat & vegetables.
2. ___________________________ are animals that only eat meat.
3. ___________________________ are animals that only eat plants.

#6 Food Webs: http://www.harcourtschool.com/activity/food/food_menu.html

1. Name a consumer in your food web ______________________________
2. Name a producer in your food web ______________________________
3. Name a decomposer (if there is one) in your food web ______________________________

#7 Energy in an Ecosystem: 

1. Write five sentences describing what you learned:
1. What is the 10 percent rule? Where does the unused energy go?

#9 Carbon Cycle: http://www.windows2universe.org/earth/Water/co2_cycle.html
Diagram the carbon cycle:

1. Name 2 places on the earth we find carbon

2. Plants pull carbon (in the form of carbon dioxide) from the atmosphere to make food, through a process called ________________.

3. Through food chains animals get __________ from the plants and other animals they eat.

4. When plants and animals die and __________, carbon goes back into the ground.

5. Some carbon is buried deep in the ground and forms _________________.

6. When humans burn fossil fuels, ________________ is released back into the atmosphere.

7. When humans and animals exhale, they release carbon back into the air by a process called _________________.

#10 Nitrogen Cycle: http://www.windows2universe.org/earth/Life/nitrogen_cycle.html
Diagram the nitrogen cycle:

1. What are 2 ways nitrogen becomes useable to plants, humans and animals?
2. How do herbivores obtain the nitrogen they need?

3. How is nitrogen returned to the atmosphere?

4. What are two ways humans impact the nitrogen cycle:

**#11 Water Cycle:** [http://www.windows2universe.org/earth/Water/water_cycle.html](http://www.windows2universe.org/earth/Water/water_cycle.html)

Diagram the water cycle:


1. How are biomes determined?

2. What are the 6 Biomes of the World?

3. What are the Freshwater Ecosystems?

4. What are the Marine Ecosystems?

**#13 Human Impacts:** Explain causes and impacts of each.

**Deforestation:** [https://worldwildlife.org/threats/deforestation](https://worldwildlife.org/threats/deforestation)
Soil Erosion: http://www.soilerosion.net/


Fires: http://www.fao.org/docrep/004/y3582e/y3582e08.htm

Pollution: http://wwf.panda.org/about_our_earth/teacher_resources/project_ideas/pollution/

Greenhouse Effect: http://www.epa.gov/climatestudents/basics/today/greenhouse-effect.html