

Name: _____ Class: _____
Date: _____ Biocom

Ecology Webquest

Go to Virtual Library—Student Links at www.srsd.net

This page can be found under the science biology links on the student page in the virtual library (same place as the genetics links, etc.)

Use the directions below to find the answers to the questions...

1. Populations

Go to the website http://www.geography4kids.com/files/land_population.html

Answer the questions #a through c

2. Community

Go to the website <http://library.thinkquest.org/28343/commun.html>

Answer questions #d and e

3. Ecosystems

To learn about ecosystems go to <http://forest.mtu.edu/kidscorner/ecosystems/definition.html>

Answer #f through h

4. Biodiversity

Go to <http://www.dublin.ie/environment/biodiversity/home.htm>

Answer #i and j

Factors Affecting Biodiversity

<http://library.thinkquest.org/CR0210243/Science%20Station/How%20living%20things%20interact%20with%20their%20environment/relationship%20of%20biotic%20and%20abiotic%20factors.htm>

Answer #k and l

5. Food Chains

Go to <http://www.sheppardsoftware.com/content/animals/kidscorner/foodchain/foodchain.htm>

Use the following organisms to create one:

Snake

Frog

Caterpillar

Owl

Flower

Diagram this on your worksheet!

To answer questions m through o go to

<http://www.sheppardsoftware.com/content/animals/kidscorner/animaldiet/herbivore.htm>

herbivores--

<http://www.sheppardsoftware.com/content/animals/kidscorner/animaldiet/carnivore.htm>

carnivores

<http://www.sheppardsoftware.com/content/animals/kidscorner/animaldiet/omnivore.htm>

omnivores

When you have completed #m-o go to

<http://www.sheppardsoftware.com/content/animals/kidscorner/games/animaldietgame.htm> to

play a game to review these terms

6. Food Webs

Go to http://www.harcourtschool.com/activity/food/food_menu.html and choose one of the three food webs.

Put the food web together!

Now answer # p through r

7. Energy in an Ecosystem

http://www.harcourtschool.com/activity/science_up_close/314/deploy/interface.html

Use your worksheet to describe what you learned under #s!

8. The 10% rule

Go to p. 88 in your textbook

Answer #t

9. Carbon cycle—including photosynthesis and respiration

Go to http://epa.gov/climatechange/kids/carbon_cycle_version2.html

Click and complete scene 1

Answer #u on your worksheet

Go to http://www.windows.ucar.edu/tour/link=/earth/Water/co2_cycle.html
Read about the carbon cycle and complete #v through aa
Diagram the carbon cycle

Go to <http://www.emc.maricopa.edu/faculty/farabee/BIOBK/BioBookPS.html>
Answer questions #bb thru ff

Go to http://www.biology4kids.com/files/plants_photosynthesis.html
Answer questions #gg

Go to http://www.biology4kids.com/files/cell_mito.html
Answer questions #hh and ii

Go to <http://users.rcn.com/jkimball.ma.ultranet/BiologyPages/C/CellularRespiration.html>
Answer questions #jj and kk

Go to <http://biology.clc.uc.edu/courses/bio104/cellresp.htm>
Answer questions #ll and oo

Go to <http://www.biology.iupui.edu/biocourses/N100/2k4ch7respirationnotes.html>
Answer question # pp and qq

10. Nitrogen Cycle

Go to the website

http://www.windows.ucar.edu/tour/link=/earth/Life/nitrogen_cycle.html&edu=mid

Diagram the nitrogen cycle

Answer the questions #rr through uu

11. Water Cycle

Go to http://www.windows.ucar.edu/tour/link=/earth/Water/water_cycle.html&edu=elem

Diagram the water cycle

12. Biomes Around the World

Go to <http://mbgnet.mobot.org/>

Answer #vv through yy

13. Human Impact

Go to each of the websites listed below.

Write two to three facts about each on your worksheet

<http://www.botany.uwc.ac.za/envFacts/facts/deforestation.htm>

<http://environment.nationalgeographic.com/environment/global-warming/deforestation-overview.html>

<http://www.bbc.co.uk/schools/gcsebitesize/science/aqa/evolution/humansrev1.shtml>

<http://www.sciencedaily.com/releases/2004/11/041103234736.htm>

http://www.endangered-species.com/causes_of_endangerment.htm

http://www.cbsnews.com/stories/2007/10/25/national/main3406952.shtml?source=RSSattr=HOME_3406952

http://healthandenergy.com/air_pollution_causes.htm

http://www.bbc.co.uk/climate/evidence/greenhouse_effect_img.shtml

14. Using your worksheet, **write a one page paper** (typed, Times New Roman, size 12 font double spaced) addressing the following issue:

Construction and housing projects have been held up because of the presence of a rare species.

- a. Are we really worse off if we lose 1 or 2 species ?
- b. Why is it so important that we have a variety of species?

Staple your typed essay to the front of your completed worksheet.