Ecology - Web Quest Scavenger Hunt

Use the directions below to find the answers to the questions... Answer on Worksheet

**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](http://forest.mtu.edu/kidscorner/ecosystems/definition.html" \t "_blank)  
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](http://www.sheppardsoftware.com/content/animals/kidscorner/foodchain/foodchain.htm" \t "_blank)

Use the following organisms to create a food chain:

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. 72 in your textbook  
Answer # t  
 **9. Carbon cycle**  
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  
  
**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 # bb through ee  
  
**11. Water Cycle**  
Go to  [http://www.windows.ucar.edu/tour/link=/earth/Water/water\_cycle.html&edu=elem](http://www.windows.ucar.edu/tour/link=/earth/Water/water_cycle.html&edu=elem" \t "_blank)  
Diagram the water cycle  
  
**12. Biomes Around the World**  
Go to<http://www.ucmp.berkeley.edu/exhibits/biomes/index.php>   
To answer # ff, use your textbook, p. 99  
Answer # gg through ii   
  
  
**13. Human Impact**

Use the following terms – deforestation, soil erosion, extinction of species, fires, pollution, and greenhouse effect AND Using your worksheet information : **Write a 100 to 200 word paper** (type using Times New Roman, size 12 font) addressing the following issue:  
  
Construction and housing projects have been held up because of the presence of a rare species.  Are we really worse off if we lose 1 or 2 species? Why is it so important that we have a variety of species?  In what other ways can construction and housing projects affect the environment?  
  
Staple your typed essay to the front of your completed worksheet.