

Human Impact WebQuest

How do human activities affect the biosphere?

Climate change

<http://www.epa.gov/climatechange/>

1. What is climate change?
2. What are the major types of physical evidence for climate change?

Global Warming

If you can't find the answer then find another site to help you.

<http://www.epa.gov/climatestudents/basics/index.html>

1. What is the greenhouse effect?
2. Could we survive on Earth without the greenhouse effect? Explain
3. What is global warming?
4. What are the two largest greenhouse gases? Where does each come from?
5. Explain the environmental impacts potentially faced from global warming.

Human population growth

<http://www.npr.org/2011/10/31/141816460/visualizing-how-a-population-grows-to-7-billion> Watch the NPR video then answer the following questions:

1. How many people are there in the world? _____ What countries have the largest populations?
2. What is the expected world population in 2020?
3. What three things do we need to manage for the human population keep growing

Invasive or non-native species

<https://sites.google.com/site/humanpopulationgrowthwebquest/home/non-native-species>

1. What is a non-native species?
2. Why are non-native species dangerous to ecosystems?
3. How were Zebra mussels introduced in the United States?
4. What impacts have the rapid growth of zebra mussels had?

Now, find three other types of invasive species in the United States from another website 1. 2. 3.

Acid Rain

<http://www.clean-air-kids.org.uk/acidrain.html>

1. What is acid rain?
2. What are the main gases that cause acid rain?
3. How can acid rain affect plants and trees?
4. How can acid rain affect organisms that live in the water?
5. How can acid rain affect buildings?

Ozone Depletion

<http://envis.tropmet.res.in/kidscorner/ozone.htm>

1. What is ozone?
2. Why is the ozone layer important to life on Earth?
3. What is the difference between “bad” and “good” ozone?
4. What is ozone depletion?
5. What causes ozone depletion?
6. What causes the ozone hole?
7. How does ozone depletion impact human health?

8. What impact does ozone depletion have on plant and animal life?

Deforestation

http://kids.mongabay.com/lesson_plans/lisa_algee/deforestation.html

1. What is deforestation?
2. List the causes of deforestation.
3. What are the environmental consequences associated with deforestation?

<http://actionbiodiversity.org/2010/07/human-benefits-of-biodiversity/>

1. What is biodiversity?
2. How does biodiversity benefit human health?

<http://www.childrensuniversity.manchester.ac.uk/interactives/science/energy/renewable/>

Go through the animation and answer the following questions

1. What is a nonrenewable resource?
 2. What is a renewable resource?
 3. Why is the sun renewable but oil is nonrenewable?

How is fresh water both a renewable and a limited resource?