

Human Impact WebQuest

Instructions: You need to copy and paste this document into your own google document. This document will not allow you to edit. Complete each item by typing the answer in **GREEN** below the question/statement. Save the document in your google drive. You will need to share the file with Mrs. D once it is complete (Please WAIT until instructed to share).

To know how human activities affect the biosphere

Climate change

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

What is climate change?

What are the major types of physical evidence for climate change?

Global Warming

http://www.globalwarmingclassroom.info/basic_info.htm

What is the greenhouse effect?

Could we survive on Earth without the greenhouse effect? Explain

What is global warming?

What are the two largest greenhouse gases? Where does each come from?

Explain the environmental impacts potentially faced from global warming.

Based on the information gathered in the above sections, are global warming and climate change the same thing? Explain.

Human population growth

<http://desip.igc.org/mapanim.html>

Watch the animation then answer the following questions:

Where in the world did the human population appear to start?

What was the world population in 1985?

What is the expected world population in 2020?

<https://sites.google.com/site/humanpopulationgrowthwebquest/home/human-population-group-a>

Describe the factors that affect population growth.

What is the formula for human population change?

<https://sites.google.com/site/humanpopulationgrowthwebquest/home/human-population-group-b>

What are the characteristics of a population that is growing quickly?

<http://www.learner.org/courses/envsci/unit/text.php?unit=5&secNum=5>

What are the three major, interconnected elements to human societies impact on the environment?

What are the two major forms of impact on the environment?

What are some countries doing to try to reduce the rate of population growth?

Invasive or non-native species

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

What is a non-native species?

Why are non-native species dangerous to ecosystems?

How were Zebra mussels introduced in the United States?

What impacts have the rapid growth of Zebra mussels had?

Acid Rain

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

What is acid rain?

What are the main gases that cause acid rain?

How can acid rain affect plants and trees?

How can acid rain affect organisms that live in the water?

How can acid rain affect buildings?

Ozone Depletion

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

What is ozone?

Why is the ozone layer important to life on Earth?

What is the difference between "bad" and "good" ozone?

What is ozone depletion?

What causes ozone depletion?

What causes the ozone hole?

How does ozone depletion impact human health?

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

<http://www.smogcity.com/>

Spend some time changing weather and population conditions.

Which factors increase unhealthy air conditions?

Pollution

<http://kidsresearchexpress-3.blogspot.com/2009/04/types-of-pollution.html>

Distinguish between point-source and nonpoint source pollution.

Explain how DDT does not immediately harm birds.

Click on each of the 6 types of pollution, summarize and discuss environmental issues

AIR:

Summary:

Environmental issues:

WATER

Summary:

Environmental issues:

SOIL

Summary:

Environmental issues:

SOLID WASTE

Summary:

Environmental issues:

HAZARDOUS WASTE

Summary:

Environmental issues:

NOISE POLLUTION

Summary:

Environmental issues:

Deforestation

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

What is deforestation?

List the causes of deforestation.

Outline the global statistics on deforestation.

What are the environmental consequences associated with deforestation?

What are the social impacts of deforestation?

List 5 ways you can help reduce deforestation.

Over Harvesting

<http://ocean.nationalgeographic.com/ocean/critical-issues-overfishing/>

What is overfishing?

Why is overfishing such a complex environmental issue?

What steps are being taken to counter the effects of overfishing?

Oil Spills

http://library.thinkquest.org/CR0215471/oil_spills.htm

In what ways can oil spills happen?

List several affects oil has on animals.

When was the Exxon Valdez oil spill?

How did the Exxon Valdez spill occur?

How much oil spilled from the Valdez?

Explain the economic impact related to the clean up.

Had all organisms recovered 10 years after the spill?

When will all oil tankers have to be double hulled?

Why wasn't the Valdez double hulled?

How is oil clean from beaches?

How is oil cleaned from animals?

Strip Mining

<http://library.thinkquest.org/05aug/00461/stripm.htm>

What is strip mining?

What are the steps of strip mining?

How is strip mining harmful to the environment?

What does it mean to reclaim the strip mined land?