SCIENCE, TECHNOLOGY AND THE ENVIRONMENT WHY THE FUSS ABOUT FRACKING?

WEIGH THE PROS AND CONS

1. Using the information in the article and your own thinking, what are some of the reasons for and against natural gas hydraulic fracturing? Give specific details to back up each point.

Reasons for	Reasons against
 natural gaslower emissions than oil horizontal wellmore options clean energy for next 100 years hundreds of thousands of jobs can be used for extracting oil method occurs well below water table chemicals used are deemed safe abide by government regulations cheaper fuels less dependent on imported sources 	 chemicals and high pressuregood? escapement of methane gaswhere? impact on water supply,drinking water? seep into ground water? lakes/rivers? amount of water used? wastewater! contain arsenic and radiationhealth? fumes and smell in community regulated by provincial governments small earthquakes
After completing the organizer, answer the following: Are jive reasons to support your response.	you more in favour of or more opposed to natural gas fracking

1

CROSSWORD PUZZLE SOLUTION...

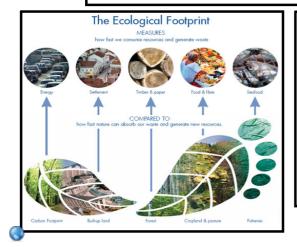


UNIT 1 - An Overview of Environmental Science

- The Issues
- Population Growth and Resource Limitations
- Researching Current Environmental Issues

What is your ecological footprint?

How many planets would we need if everyone lived like you? An ecological footprint measures the total amount of land and resources used, it includes your carbon footprint but goes further. Find out your ecological footprint by answering questions about your lifestyle. See how your choices affect the environment and whether you are living beyond the capacity of the planet.

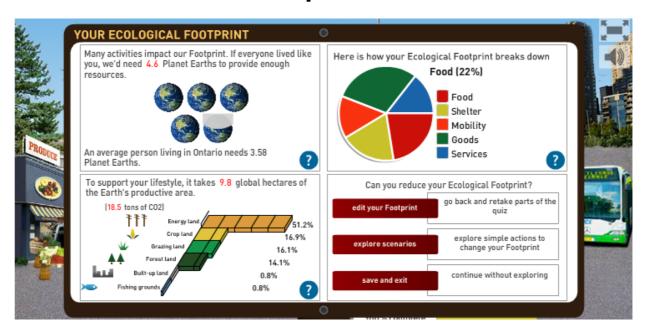


Ecological footprints allow people to visualize the impacts of their consumption patterns and activities on ecosystems.

An average world citizen has ecological footprint equivalent to 2.3 hectares or 5.6 acres while the biologically productive land available is only 1.9 hectares per person.

The average resident of the United States lives at a consumption level that requires 9.7 hectares of bioproductive land. If everyone in the world adopted a North American lifestyle, we'd need about four more planets to support us all.

Our Class Footprint...



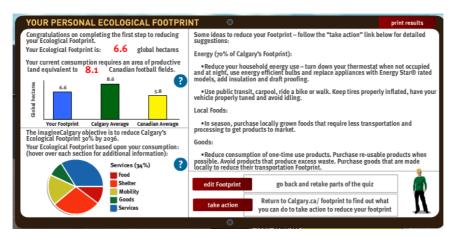
Determining your 'Ecological Footprint'

http://www.footprintnetwork.org/en/index.php/GFN/page/calculators/





Let's do one together...



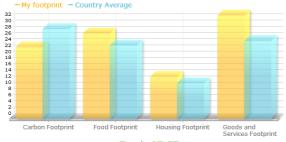
My Ecological Footprint - Quiz Results

If everyone on the planet lived my lifestyle, we would need:



= 6.21 Earths

MY FOOTPRINT IN GLOBAL HECTARES BY CONSUMPTION CATEGORY



Total: 97.57

MY FOOTPRINT SHARE BY BIOME

