

For this assignment, you will be using multiple sites and databases to find information. Follow the directions carefully and you will have no trouble completing the tasks below.

Instructions: 1. Login 2. Select the **Library Icon**
3. Select the **Teen Health and Wellness** icon found in the Database Other section.

Part A: Teen Health and Wellness

Type the titles of the articles (found in bold) into the search field to locate them.
Complete the questions below.

1. ENVIRONMENTAL STEWARDSHIP

Why Environmental Stewardship Matters

a) People who make a conscious effort to protect the environment are thus said to be practicing environmental stewardship or _____.

b) Environmental _____ also seeks to prevent or repair damage done to the planet through the actions of humankind. For instance, pollution ruins the _____, the _____ in which crops grow, and _____. Part of living green, then, involves finding ways to _____ or _____ pollution.

Green is Every where

Going Green in the following areas means ...

Travel	
Water	
Food	
Energy	

a) This is the concept that atmospheric gases such as _____ let sunlight through to warm the planet, but then trap enough heat _____ back from Earth's surface to sustain life on the planet. If too much _____ gathers in the atmosphere, however, too much of the sun's heat becomes _____ causing temperatures to _____ and the climate to change.

b) Rising temperatures change Earth's climate enough to create all sorts of weather-related problems, including _____ and _____. Scientists also determined that human activity was resulting in a dramatic increase of those gas levels in the atmosphere, which was a major cause of a developing climate change.

The Importance of Interdependence

a) In nature, communities called _____ exist because of a concept known as interdependence. This is when all living things in a particular environment help each other _____. Each plant and creature takes what it needs from the community, like food and shelter, and in return provides for other members of the ecosystem as well.

b) Interdependence is like a _____. When something happens to disturb or break just one link, the entire chain becomes weaker. In 2007, the world witnessed an example of this concept in action when huge numbers of _____ mysteriously disappeared across North America. Bees pollinate, or fertilize, the flowers that bloom on crops so that they will grow into fruits and vegetables. In return, the flowers provide nectar, which is bee food. Without enough bees to _____ fields, farmers had a difficult time growing several types of crops. Without honeybees, fewer _____ and _____ were available in the supermarket, and prices for those that were available increased.

c) The relationship between humans and nature is also interdependent. Earth provides food, medicine, building materials, and so much more to humans. If the relationship is truly interdependent, then humans should take _____ of and protect Earth as well, for their own sake if not for nobler reasons. Our own survival depends on maintaining a healthy planet. The growing number of people who feel this way show they care by trying to live green.

d) Copy down the article citation information. (1)

- Start back on the Library Homepage and click on the **All Ebsco Database** heading
- Double click on **Ebsco ABC-CLIO History and Geography Databases**
- Under Database Links, click on **World Geography**
- From the pull down menu at the top of the screen, choose **Countries**
- Select **Canada**
- On the left-hand side of the screen, select **Geography**
- Select **Environment**

Complete the sentence and table below using information found in the article.

Canada: Environment

Read the whole article!

The heavily populated Great Lakes-St. Lawrence region is the most industrialized area of Canada. Power plants fueled by _____ produce steady _____ of carbon dioxide, which contributes to global warming. Other industrial _____ have made acid rain a serious problem - it kills _____ and _____, contaminates _____ and damages _____.

Match the term with the appropriate definition (continues on to next page)

a) Climate change	— general term that refers to the contaminated condition of a given environment, especially regarding man-made waste, whether it be the global environment or a particular city's or neighborhood's environment. It can also refer to specific environmental contamination caused by, for example, improperly stored radioactive waste, an oil spill, a chemical fire, or an old tire dump.
b) Greenhouse gas	— refers to a gradual increase in the temperature of Earth's lower atmosphere that many scientists believe is caused by the so-called greenhouse effect
c) Pollution	— narrow belt of the atmosphere located 6 to 30 miles above the Earth's surface.
d) Fossil Fuels	— the most dramatic change in climate in contemporary history revolves around the ability of plant and animal species to adapt quickly enough to survive radical changes in climate and whether or not humans will be able to slow down or even stop the speed of global warming by their consumption behaviours.
e) Carbon Dioxide	— CFCs, used in some aerosols and in refrigerants, are believed to destroy ozone molecules by chemically stripping away the oxygen atoms that form them. The stability of CFCs causes them to rise into the stratosphere where they are destroyed by contact with ultraviolet radiation.

f) Acid Rain	___ Petroleum, coal and natural gas
g) Ozone Depletion	___ chemical compounds that contribute to the greenhouse effect, a process in the atmosphere that causes global warming
h) Chlorofluorocarbons	___ Areas of high population density and heavy industrial production are the sources of acid rain, a general term covering rainfall that is laden with pollutants
i) Global Warming	___ is a colourless, odorless gas composed of one atom of carbon and two atoms of oxygen. It can be produced by combustion of carbon-based materials (i.e. coal, food, and wood), or decomposition of such materials exposed to heat or acids.

Part C: Climate Change and the World Wide Web Discussion

Type in: <http://www.youtube.com/watch?v=CmRyJaBPvD0> and watch the video:
What is Climate Change? (2:06) watchmojo .com

a) Scientists agree that the world is _____ up.

b) For thousands of years, emissions of greenhouse gases to the atmosphere have been _____ by the amount of greenhouse gases that are naturally _____. These conditions have allowed _____ to develop in a consistent _____.

c) Changes that have historically taken place over thousands of _____ are now taking places over _____.

d) Evidence shows that human activity is changing the levels of _____:

- Fine _____ and the rapid retreat of _____ show that global _____ is melting.
- Densely populated cities are at _____.
- _____ and _____ are increasingly in number and severity.
- Climate-related diseases like _____ are increasing.
- Increased numbers of drying _____ and dying _____.

e) We must share _____ and use clean energy power options like _____, _____ and _____ power.