

Assignment 19

File Name: 9ssA19

Total Marks: /19 = %

Part A: Use the information from the pages you have read in the textbook **and** course pages in the Section 2 Introduction, Inquiry into the Issue, Activity 1, and Activity 2 to answer the following questions. Type the letter of the **best** answer in the brackets provided.

- < > 1. Which of the following is the **best** example of an environmental issue?
- A. Debating the benefits and drawbacks of keeping the gun registry program
 - B. Determining which social programs can have reduced funding to cut federal government spending
 - C. Deciding on the location for a new business that will provide many jobs for the local community
 - D. Deciding what to do about the pollution and climate change that results from the by-products of factories' production
- < > 2. To preserve natural resources and ecosystems while maintaining or improving quality of life is
- A. Abiotic
 - B. Sustainable development
 - C. Land use
 - D. Biodiversity
- < > 3. Human interaction with the environment such as in the production of forest, oil and gas, or agricultural goods is called
- A. Land use
 - B. Biodiversity
 - C. Biotic
 - D. Sustainable development

- < > 4. Why is it challenging for governments to make decisions regarding land use?
- A. Land use decisions have positive economic impacts only, so it actually is not challenging for government to make such decisions.
 - B. Decisions made about land use are extremely financially costly for government, so decisions must be made carefully.
 - C. The decisions made about land use have only negative impacts, which will result in people being unhappy with the government.
 - D. There are many stakeholders who have various goals, so making decisions that will please everyone is difficult for government.
- < > 5. The greenhouse gases that contribute to climate change come **primarily** from which source?
- A. Chlorofluorocarbons from aerosol cans
 - B. Reduced levels of oxygen in the atmosphere because of clear cutting
 - C. Burning fossil fuels such as natural gas, gasoline, coal, and oil
 - D. Pesticides and insecticides in the air, water, and on land
- < > 6. Which of the following statements about climate change is **false**?
- A. The regions of the world that emit the most GHGs (greenhouse gases) will experience the worst effects of climate change.
 - B. The impacts of climate change include more severe weather, disruption of ecosystems and freshwater supplies, and rising sea levels.
 - C. Climate change is basically a rise in the Earth's temperature because of a build-up of GHGs (greenhouse gases) in the atmosphere.
 - D. The impacts of climate change have already been experienced by some regions of North America.

Review the map on **page 310** of the *Issues for Canadians* textbook and answer the question below.

- < > 7. Which region in Canada will experience the smallest temperature increase?
- A. The southern half of Alberta and British Columbia
 - B. Nova Scotia and the southern part of New Brunswick
 - C. The most northerly part of Canada on the Arctic Ocean
 - D. The prairie provinces of Saskatchewan and Manitoba

- < > 8. Which of the following statements about Canada's GHG emissions is **true**?
- A. Alberta contributes large amounts of GHG emissions from its manufacturing sector (steel mills and metal ores processing plants).
 - B. Standards for pollution control, including GHG emissions, are set by government laws and policies.
 - C. Many governments and people feel that the best way to respond to climate change is to stop all economic activities that emit greenhouse gases.
 - D. The large amount of GHG emissions in Ontario is attributed to its oil industry and its coal-fired plants for generating electricity.

Review the map and chart on **page 314** of the *Issues for Canadians* textbook and answer the question below.

- < > 9. Which country has the lowest global CO₂ emissions?
- A. Canada
 - B. United States
 - C. Mexico
- < > 10. What was the Kyoto Protocol?
- A. The law that set emission standards for most industries in Canada
 - B. The first plan to introduce a "carbon tax" on fossil fuels in all countries
 - C. The plan to reduce emissions agreed to by Canada and the United States
 - D. The first climate-change plan negotiated by countries of the world

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Part B: Answer the following questions in complete sentences unless directed otherwise in the instructions. Type your responses between the blue brackets provided.

1. Answer the following questions **based on the *Alberta Tomorrow* videos** that you viewed in Activity 1.
- a) Identify **two** reasons why forestry, oil and gas production, and agricultural production are important. (2 marks)

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b) Identify **two** reasons why protecting mammal habitat and fish habitat is important. (2 marks)

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2. Complete the following chart for the **three** stakeholders you investigated in Activity 2.
(5 marks)

Address the following points for each of the three stakeholders.

- In the *Stakeholder* column, identify the stakeholder **and** the stakeholder's goal(s).
- In the *Positive Effects on Quality of Life* column, explain **one or two** ways **your** quality of life would be affected positively if the stakeholder's goal is reached.
- In the *Negative Effects on Quality of Life* column, explain **one or two** ways **your** quality of life would be affected negatively if the stakeholder's goal is reached.

** Remember to be specific and explain how your quality of life specifically would be affected in positive and negative ways.

Stakeholder and Goal	Positive Effects on Quality of Life	Negative Effects on Quality of Life
< >	< >	< >
< >	< >	< >
< >	< >	< >

Read the scoring criteria below to ensure your understanding of how this part of your assignment will be evaluated.

Scoring Criteria:

You have . . .	Relevance of Information
5 Excellent	<ul style="list-style-type: none">• demonstrated comprehensive understanding of the effects of the stakeholders' goals on quality of life• provided specific, relevant, and accurate support for your ideas
4 Proficient	<ul style="list-style-type: none">• demonstrated thorough understanding of the effects of the stakeholders' goals on quality of life• provided relevant and appropriate support for your ideas
3 Satisfactory	<ul style="list-style-type: none">• demonstrated appropriate understanding of the effects of the stakeholders' goals on quality of life• provided general and adequate support for your ideas
2 Limited	<ul style="list-style-type: none">• demonstrated superficial understanding of the effects of the stakeholders' goals on quality of life• provided obvious, simplistic, and/or irrelevant support for your ideas
1 Poor	<ul style="list-style-type: none">• demonstrated little or no understanding of the effects of the stakeholders' goals on quality of life• provided few or no ideas• provided superficial, irrelevant, or incomplete support for your ideas

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Submit your completed assignment for marking.