

## SOCIAL STUDIES 9 UNIT 5: SECTION 2: WORKBOOK 19

### Thematic Map Analysis

Analyze each of the thematic maps and charts from the textbook to answer these questions. Type your responses between the blue brackets provided.

1. The map on **page 310** shows the “Predicted Temperature Increases by 2099”. What region in Canada should experience the **greatest** temperature increase? What temperature increase should **your community** have experienced by 2099?

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2. The map on **page 311** shows the “Distribution of Inuit Population in Canada, 2001”. From the information on this map, determine where the largest population of Inuit live.

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3. Using the information found on the maps on **pages 310 and 311**, respond to the following:
  - a. the “Critical Thinking Challenge” questions in blue on the bottom of page 311

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- b. the blue inquiry question on the bottom of page 311

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4. On **page 312**, examine a thematic map that shows “CO<sub>2</sub> Emissions by Province and Territory, 2005”. This map shows the thousands of tonnes of CO<sub>2</sub> (carbon dioxide) emissions by province. Which provinces generated the **greatest** amount of CO<sub>2</sub> emissions? Which provinces generated the **least** amount of CO<sub>2</sub> emissions?

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5. On **page 313** of your textbook, you can see the percentage of total emissions for each province and territory. Using the information found on the map on page 312, as well as the chart and the bulleted list on page 313, respond to the following:

- a. the “Critical Thinking Challenge” question on the bottom of page 313

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- b. the blue inquiry questions on the right side of page 313

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6. On **page 314**, examine a thematic map that shows “CO<sub>2</sub> Emissions by Country, 2004”. You will see the GHG emissions differ regionally in North America. On the bottom of page 314, examine the “Country Comparisons, 2007” chart. Examine carefully the correlation between GDP per Capita, Estimated Population, and Percentage Global CO<sub>2</sub> Emissions. Analyze the map and the chart, and answer the blue inquiry question in the margin on page 314.

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7. Next, read the bulleted list on **page 315**. Using the information found on the map and chart on page 314 and the bulleted list on page 315, respond to the three inquiry questions on page 315.

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Use the scoring criteria below to assess your work.

### Scoring Criteria: Thematic Map Analysis

	Thematic Map Analysis
<b>Excellent</b>	I have provided a thorough and accurate analysis of the maps and charts to identify climate change, regions, and impacts.
<b>Satisfactory</b>	I have provided an adequate analysis of the maps and charts to identify climate change, regions, and impacts.
<b>Limited</b>	I am unable to provide an analysis of the maps and charts to identify climate change, regions, and impacts. I need to contact the teacher for assistance with this activity.

Place your completed work into your **Activities** folder.