**Unit 3: Weather Watch**

Name:

Date:

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| Assignment 3-2 Climate |

What is climate and how does it change over time?

**Instructions**

1. Describe the climate in your location. Include the following terms that may affect climate:

• location (latitude/longitude)

• proximity to water or mountains

• jet stream

• elevation

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| Description of Climate Rubric |

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| Criteria | Excellent  5 | | Proficient  4 | Satisfactory  3 | Limited  2 |
| **Content /5** | * I developed *insightful* and *detailed* explanations of climate. * I used *precise* details. | | * I developed *thoughtful* and *reasonable* explanations of climate. * I used *logical* details. | * I developed *appropriate* and *basic* explanations of climate. * I used *general* details. | * I *underdeveloped superficial* and *limited* explanations of climate. * I used *vague* details. |
| **Insufficient** | Your attempt to respond is *insufficient*. **Contact your teacher** to discuss suggestions for improvement. | | | | |
| **Total: /5** | | | | | |
| **Assessment** | | **Areas of Strength:** | | | |
| **Target for Improvement:** | | | |

**Description of Climate ( /5 marks)**

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1. Provide a mind map that describes **10 ways** weather conditions may affect the activities of humans and animals in your area.

* Include how knowledge of the weather would help people in their jobs (for example: construction workers, trappers, fishermen, hunters, engineers etc.) **( /10 marks)**

**Climate Mind Map**

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1. Identify and explain how **three** possible environmental events or human actions could affect climate (volcanic eruptions, forest fires, deforestation, pollution, pests, ozone depletion, greenhouse effect, El Niño etc.) **( /6 marks)**

For information on the above you can research on the Internet.

Note: You need a clear explanation of how these three events or actions affect climate change.

**Climate Change**

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1. Identify one human action that has been linked to the greenhouse gas effect. **( /1 mark)**

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**Overall Total: ( /22 marks)**

Save Your File

Name your file in this format: 3-2\_(jsmith)sc5-climate and save your file to your Weather Watch folder. Submit to the appropriate Submission folder when completed.