

**Global Warming and Climate Change – University of Calgary**  
**David H. Manz**

**May 24, 2018**

**Assignment Number 4**

1. What is meant by the term “impact of climate change”?
2. There are several web sites in the Web, Books, Video resource (see newest edition) that deal with the polar bear issue. In a paragraph or so outline why polar bear might be at risk in the future even though they might seem to abundant now.
3. Go to the following web site: <http://climate-scenarios.canada.ca/?page=main> . What is the purpose of this web site? Click on ‘Documents and Links’. What is the purpose of the ‘Climate data and scenarios for Canada: Synthesis of recent observation and modelling results’ and how would you use it?
4. Go to the following web site:  
[http://www.niehs.nih.gov/research/programs/geh/climatechange/health\\_impacts/waterborne\\_diseases/](http://www.niehs.nih.gov/research/programs/geh/climatechange/health_impacts/waterborne_diseases/) . In a paragraph discuss the impact of climate change on waterborne diseases.
5. Go to the following web site:  
<http://www.nrcan.gc.ca/environment/resources/publications/impacts-adaptation/reports/assessments/2008/10253> .
  - a. Go to ‘Synthesis’ and the ‘Summary Section’. How do they define adaptation?
  - b. Is projected climate change ‘all bad’ for the Prairie Region?
6. What is meant by ‘coral bleaching’ and how does it affect coral?
7. What is meant by ‘hypoxia’ as it pertains to the ocean environment?
8. What is the long term impact of volcanic eruptions on climate change?
9. What is the impact of sun spots on climate change relative to anthropogenic forcing?

Assignment due May 31, 2018.