# Climate Impacts on Local Weather

Climate change has impacted areas across the globe. Read this article on the assessment page of the lesson about how brutal winters were caused by changing jet streams. Then answer these questions.

1. Briefly describe the jet stream and summarize the factors that determine its strength. (5 points)
2. Why is the fuel for the jet stream getting weaker? According to the article, how does this affect local weather patterns in any given area? (5 points)
3. How does warming in the Arctic over the last several decades compare to warming over the rest of the globe? (5 points)

1. Explain how sea ice is important in the regulation of temperatures in polar regions. How does the ocean play a major role in the regulation of climate? (5 points)