

Freshman Seminar
National Climate Assessment Questions

The National Climate Assessment (NCA) is a multiagency project, in part working on studying the effects of climate change, and mitigation of environmental impacts from climate change. Read the National Climate Assessment's report on climate change specific to the Northeast U.S., found at: <https://nca2018.globalchange.gov/chapter/18/>

On a separate sheet of paper, either typed or very neatly written, answer the following questions in your own words:

1. (Section 2): Describe some of the recent, observed changes to sea surface temperature in coastal regions of the Northeast U.S.
2. (Section 2): What are some of the more probable projections of future sea level rise?
3. (Section 3): What is the "urban heat island" effect, and how does this play a role in the impacts of climate change on the Northeast?
4. (Section 4): How much have annual average temperatures increased over the contiguous (Lower 48) United States, dating back to the beginning of the last century? How much have temperatures changed in the Northeast U.S. in the same span of time?
5. (Section 5): Describe two *specific* measures that *specific* cities in the Northeast U.S. are taking in order to adapt to the changing climate.