

Name _____



Climate at a Glance

(Online Option)

Purpose: To explore patterns of temperature and precipitation in Michigan that are indications of climate change. You will be creating graphs from data from the National Climatic Data Center.

Directions: Go to the National Climatic Data Center web site at:
<http://www.ncdc.noaa.gov/oa/climate/research/cag3/cag3.html>.

Click on "Statewide," then on Michigan.

There are two types of data available for Michigan: _____ and _____.

Select the periods of time listed below and fill in the information from the graphs that you generate.

Spring (March – May) 1895 to present

(Circle one)

Temperature: _____ °F / decade = increase no change decrease

Precipitation: _____ inches / decade = increase no change decrease

Summer (June – August) 1895 to present

(Circle one)

Temperature: _____ °F / decade = increase no change decrease

Precipitation: _____ inches / decade = increase no change decrease

Fall (September – November) 1895 to present

(Circle one)

Temperature: _____ °F / decade = increase no change decrease

Precipitation: _____ inches / decade = increase no change decrease

Winter (December - February) 1896 to present

(Circle one)

Temperature: _____ °F / decade = increase no change decrease

Precipitation: _____ inches / decade = increase no change decrease



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Questions:

1. What do the graphs and data show about trends in temperature since 1895?
2. What do the graphs and data show about trends in precipitation since 1895?
3. Do the graphs and data indicate that the climate of Michigan is changing? What is your evidence?



Extra:

What are the trends in annual temperature and precipitation in the United States?
(See “National” at the National Climatic Data Center web site and generate a graph.)

What are the trends in annual temperature and precipitation in Flint, Michigan?
(See “Cities” at the National Climatic Data Center web site and generate a graph.)