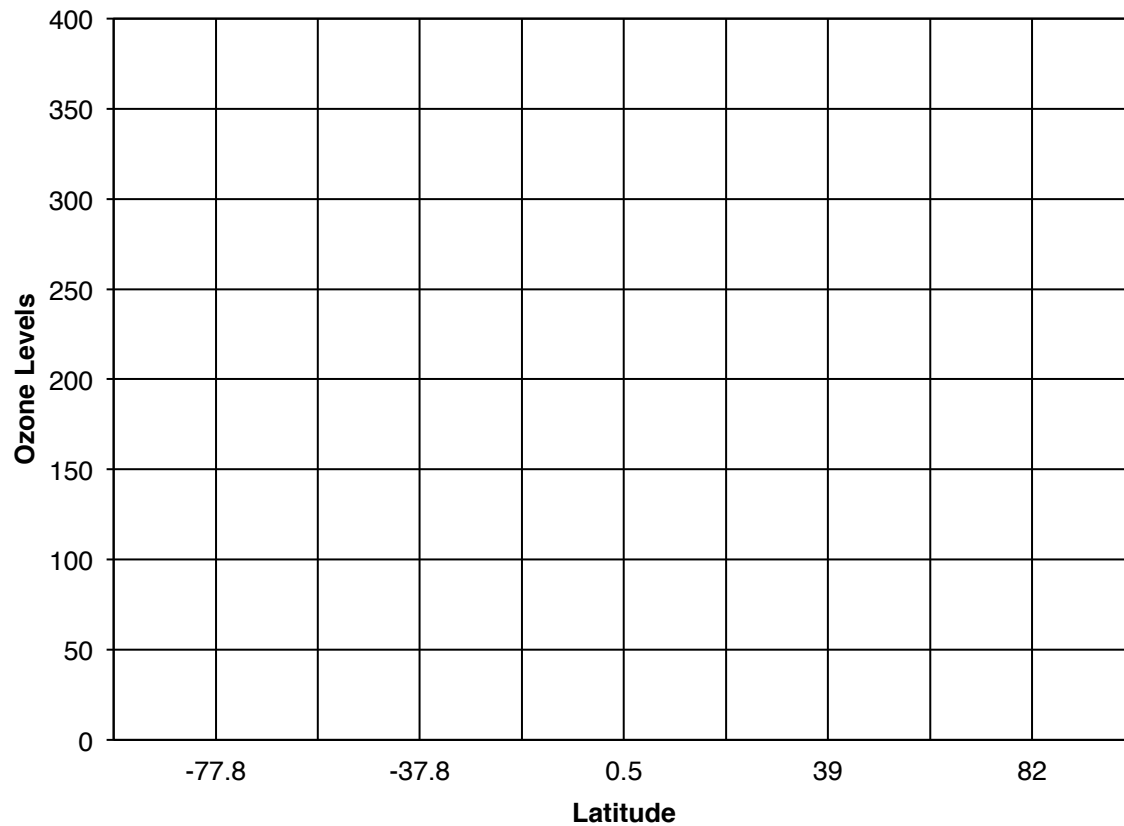


Name: \_\_\_\_\_

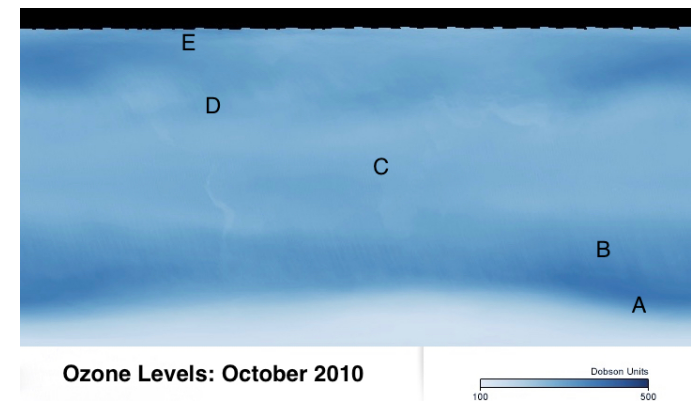
## How Does Ozone Concentration Change with Latitude?

Create a graph using the following information from the table below. Plot the data on the graph. Using a colored pencil, connect the plots, creating a line graph. Negative values for latitude mean that it is in the southern hemisphere. The more negative it is, the further it is from the equator and the closer it is to the South Pole.

### Ozone Levels Vs. Latitude



Location	Latitude	Ozone (Dobson Units)
A. McMurdo, Antarctica	-77.8	228
B. Melbourne, Australia	-37.8	330
C. Libreville, Gabon, Africa	0.5	284
D. Washington, DC	39	291
E. Alert, Nunavut, Canada	82	307



What happened to ozone concentrations as latitude changed (negative latitude values are in the southern hemisphere)?

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How are yours and your partner's graphs related? What is the relationship between UV and Ozone levels?

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What do you think happened to UV levels as the ozone hole grew?

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Now that the ozone hole is shrinking what will happen to UV levels on earth?

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