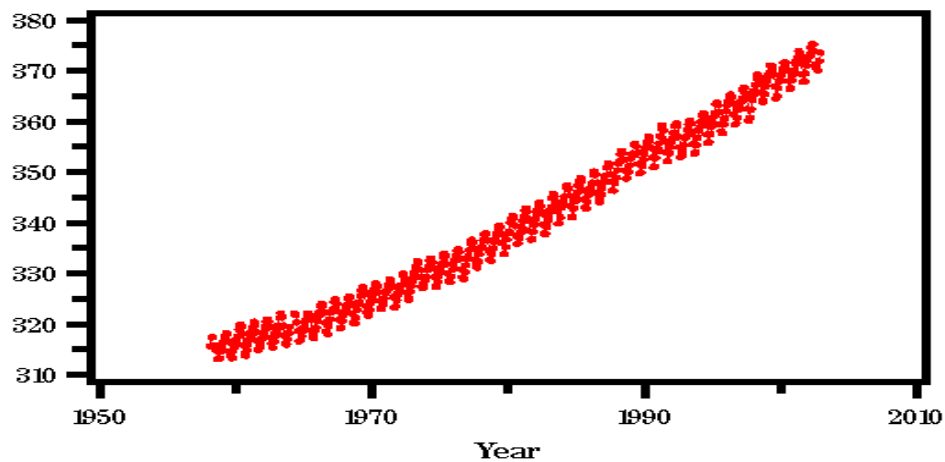


## Round: 10B

The following questions refer to the figure below.



1. What is the appropriate label for the Y axis? What are the units? (3 pts)
2. This graph is fairly heavily used. What is it commonly called? Where were the measurements taken? (2 pts)
3. The graph appears to show a distinct trend, but has a lot of variability. Is there a pattern to the variability? Is there a specific source for the variability? (5 pts)
4. Draw a new graph similar to the one shown on the previous page, but going back to 1500 A.D. and forward to 2100 A.D. Do not worry about short term variability, only about the long term trends. Appropriately label your axes and any key dates. Explain what the contributing factors were to your predictions, and what the global implications of your predictions might be. Be as specific as possible. (10 pts)

A large, empty rectangular box with a black border, intended for the student to draw a new graph and provide an explanation as requested in question 4.