**Using Graphs to Understand Data**

**Look at the chart and use it to answer the following questions:**

What information is listed on the X-axis?

What information is listed on the Y-axis?

Describe what the information on this graph tells you.

**Reading and Understanding Important Numbers:**

What is important to notice when trying to understand a graph? Highest points, lowest points, places where lines change direction, and places where lines cross are all important to note and keep track of.

Find three different “Important Numbers” on the graph, and describe them below.

1.

2.

3.

**Trends:**

Trends are important to look for and identify on graphs. A graph trend is a pattern, a tendency of a series of data points to move in a certain direction.

Find three different trends on the graph, and then describe each trend below:

1.

2.

3.

**Comparing Trends:**

It is important to look for patterns to see if relationships exist between trends in one data set and trends in a different data set. To do this, identify a trend in one data set, and then describe what is happening to a different data set during that same span.

Using the graph, describe two different trend comparisons.

1.

2.

**Analyze Trends:**

After identifying trends, and then comparing trends, look to see if it is possible that the trends are related to, or caused by, each other.

-What are two reasonable explanations for two different trends that you observe on the graph?

1.

2.