Name _____ Hour _____ Table _____ **Graph Score: ____/10 Total Score: ____/15**

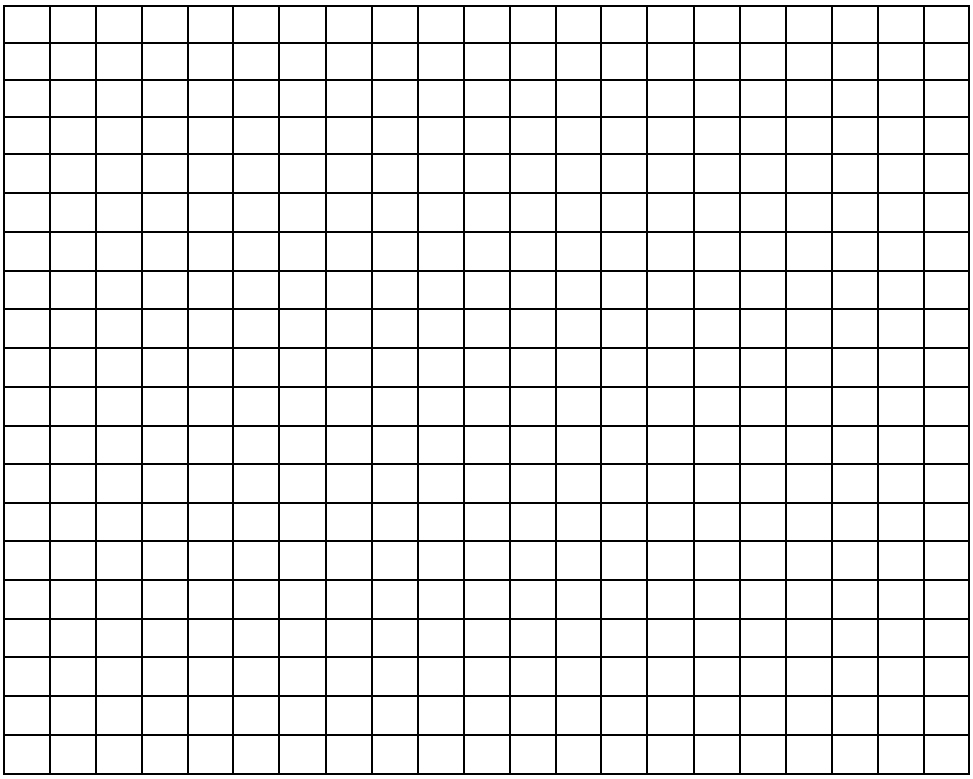
Graph Prompt 3: Environmental Studies/Sea Ice

The data below shows the average monthly Arctic sea ice extent from the years 1979-2000. A satellite measured this value in *millions of square kilometers* every September during those years.

Create the correct type of graph and answer the question(s) that follow.

Year	Extent of Sea Ice
1979	7.2
1980	7.9
1981	7.3
1982	7.5
1983	7.6
1984	7.2
1985	7.0
1986	7.6
1987	7.5
1988	7.5
1989	7.1
1990	6.2
1991	6.5
1992	7.6
1993	6.5
1994	7.3
1995	8.0
1996	7.0
1997	6.6
1998	6.5
1999	6.6
2000	6.7

A LINE graph is used when you have continuous data (time, temperature, pH, etc).
A BAR graph is used when you have count data (numbers for items in certain categories).



1. What factors can cause sea ice to melt in the Arctic Sea? _____

2. After you finish making the correct type of graph, draw **<u>one</u> straight line** in a **different color** to follow the **overall/average trend** of what is happening to sea ice over time.

3. What trend appears when you add in this line? _____

4. Explain one reason why this trend is occurring. _____