

Name _____ Teacher _____ Date _____

Activity 1.5 Finding a Trend in Arctic Sea Ice Worksheet

1. Follow the five steps to draw a trend line on your Arctic sea ice graph from [1.3 Arctic Sea Ice Worksheet](#). Here is a reminder of the steps:

Step 1: Connect the dots.

Step 2: Divide the picture into sections by drawing vertical lines on the graph every five years.

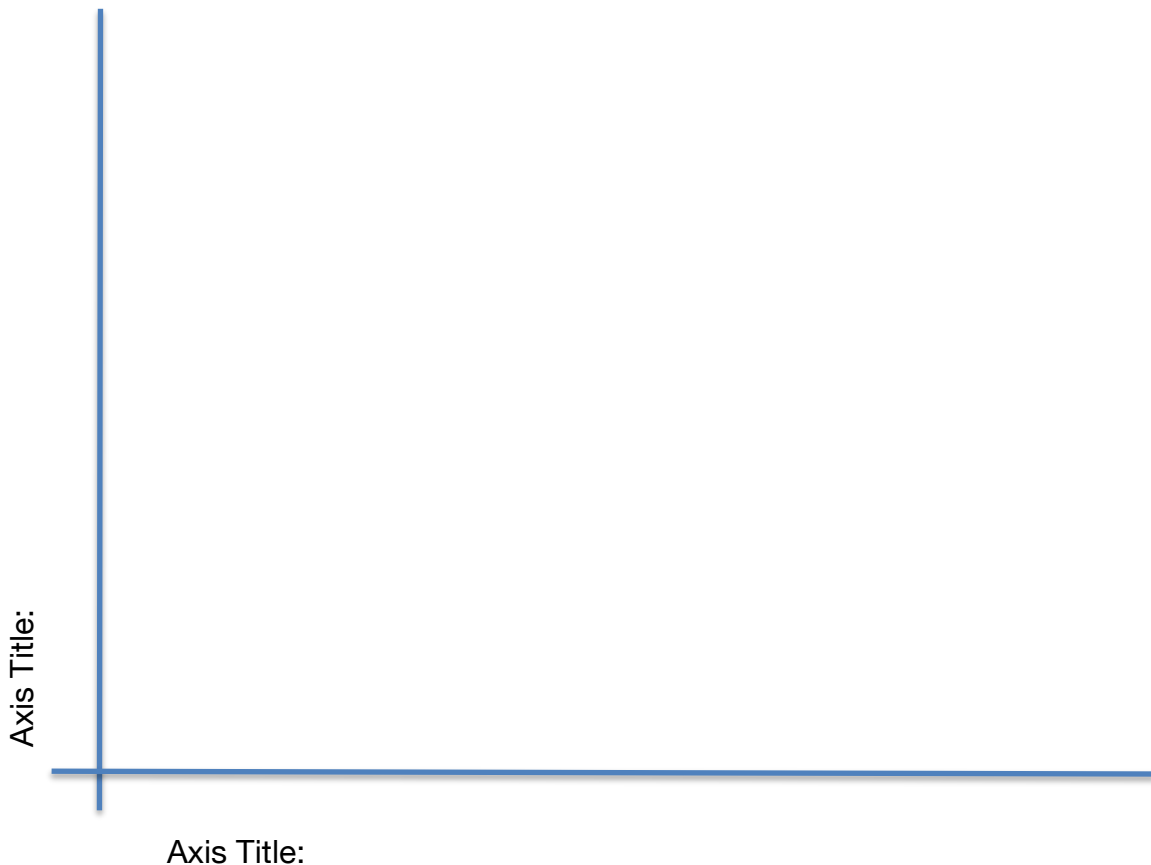
Step 3: Calculate the average of all the data points within those five year time periods.

Step 4: Place one dot in each section that shows the average for that time period.

Step 5: Draw a line to connect the new dots.

2. Draw a rough sketch of the Arctic sea ice trend line here. Draw *just* your trend line, not the detailed data.. Remember to label your axes, and give your graph a title.

Graph Title:



3. What do you see? Write a description of the trend line from your Arctic sea ice graph here.
Remember: You're describing what is happening to the line, not the ice.

4. Explain in your own words what this trend line tells us about what is happening to Arctic sea ice. Remember: you're describing what is happening to the ice, not the trend line.

5. Why do you think it is important to look for overall trends in graphs like Arctic sea ice?

6. Based on this trend line, can you predict how many square kilometers of Arctic sea ice there will be 5 years from now? Why or why not?
