

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.

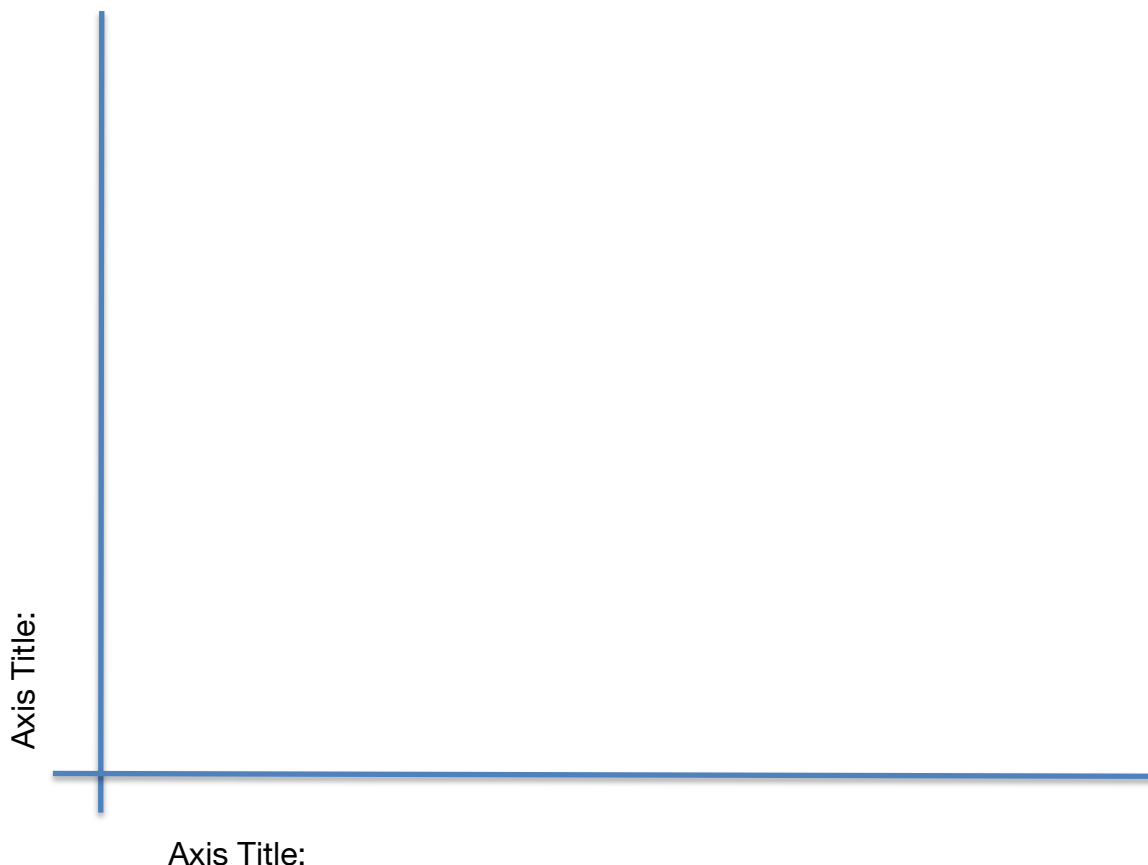
Step 3: Calculate the average of all the data points within those five year time periods.

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?

---

---

---

---

---