

Name: _____ Date: _____ Period: _____

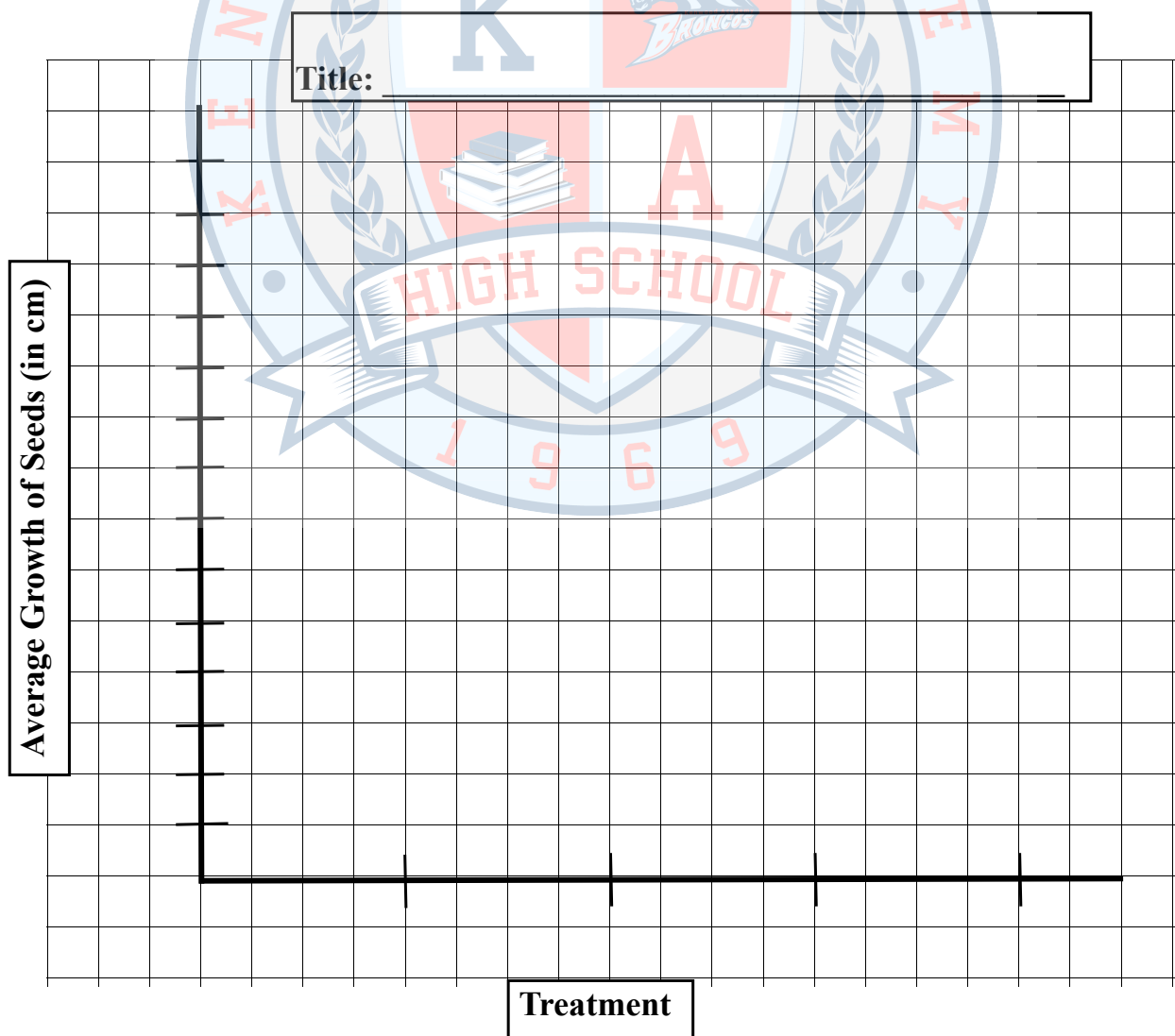
Ailanthus Graphing

Wk # _____

From the class data that we collected yesterday, your teachers have compiled whole school data. Collecting as much data as possible is important because it makes our data more accurate and reliable. Thus, we will analyze the whole school data in order to make conclusions about the Ailanthus plant.

Treatment	Average Growth of Seeds (in cm)
Roots	
Stems	
Leaves	
Water	

Based on the data table, what type of graph are you going to make? Explain your answer.



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Analysis Questions

Directions: Complete the questions based on the Whole School Data.

1. Based on the data, order the treatments from the most amount of seed growth to the least amount of seed growth.

2. Which part of the Ailanthus plant contains the most amount of allelopathic chemicals? Provide evidence to support your answer.

3. Order the parts of the Ailanthus plant from most amount of allelopathic chemicals to least amount of allelopathic chemicals.

4. Explain how the whole school data differs from your class data.

5. Does the school data support your hypothesis? Explain why or why not.

6. Draw two pictures to summarize your understanding of allelopathic chemicals found in the Ailanthus plant. In the first picture, draw a garden that does not have exposure to an Ailanthus plant. In the second picture, draw a garden that has an Ailanthus plant growing in it.

