**Class Cushion Datasheet**

**Directions:** As groups test their cushions in the classroom, complete the following data chart. Then, answer the questions based off of the data recorded:

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| **Initials of Group Members:** | **Material(s) Cushion is Made of:** | **Initial Capacitance of Sensor (nF)** | **Final Capacitance with Cushion (nF)** | **Capacitance of Cushion (nF)** | **Rank** |
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**Analysis Questions**

1. Which cushion was the most successful? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Explain your thought process of how you figured out that this cushion was the most successful:

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1. A *trend* is when we might see a reoccurring pattern in the data. Do you see any trends amongst materials that seem to be more or less successful?

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1. What was the most difficult part of this project for you?

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1. If you could do this project again, what would you do differently?

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