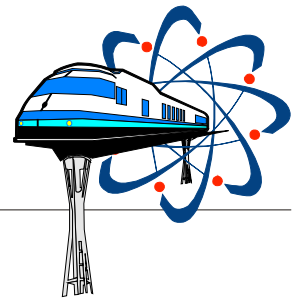


NAME: \_\_\_\_\_

CLASS: \_\_\_\_\_



# SUMMARY SHEET

**Answer the following questions as completely as you can**

1. How does magnetic levitation work? \_\_\_\_\_  
\_\_\_\_\_
2. List at least two common uses for magnetic levitation? \_\_\_\_\_  
\_\_\_\_\_
3. List at least two advantages of Mag Lev trains over fuel burning trains? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
4. List one example of a transportation system that travels across or through:  
Land: \_\_\_\_\_  
Water: \_\_\_\_\_  
Air: \_\_\_\_\_  
Space: \_\_\_\_\_
5. What was the total area of your sail?(multiply the length x the width) \_\_\_\_\_
6. After a few test runs, what were some of the changes and refinements you made to your racer to improve it's performance? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
7. What do you feel is the most important factor in making your race vehicle the fastest? \_\_\_\_\_  
\_\_\_\_\_
8. What sail shape did you and your partner finally decide on? \_\_\_\_\_  
Why? \_\_\_\_\_
9. Which material would be best to use for a sail?  
a. Styrofoam                      b. straws                      c. tin foil                      d. toothpicks
10. Which material would be best to use for a mast?  
a. Styrofoam                      b. straws                      c. card board                      d. plastic bags
11. Which material would be best to use for a base?  
a. Styrofoam                      b. straws                      c. tin foil                      d. toothpicks
12. If needed, which material would be best to use for a sail frame?  
a. drink stirrers                      b. straws                      c. toothpicks                      d. a, b, and c
13. List at least one example of how your team could have improved your race time? \_\_\_\_\_  
\_\_\_\_\_
14. Overall, what did you like/dislike about the Mag Lev unit? \_\_\_\_\_  
\_\_\_\_\_