

Name: _____ Class: _____



AERODYNAMICS WORKSHEET

1. What is the basic principle behind AERODYNAMICS? _____

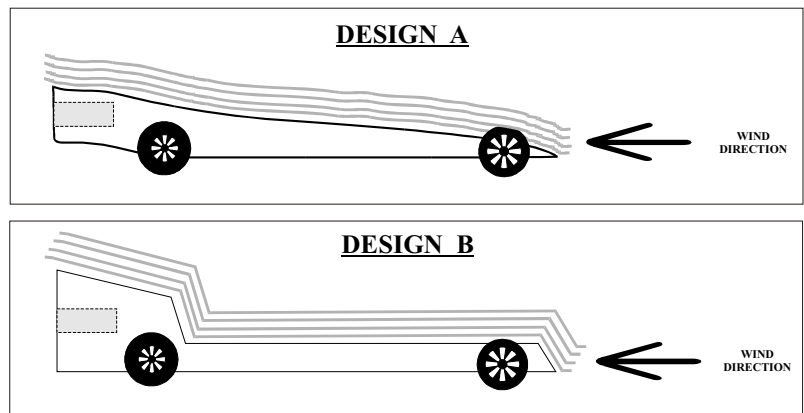
_____.
2. A wind tunnel measures _____ and _____.
3. Give three reasons why aerodynamics is an important technology.
a. _____
b. _____
c. _____
4. Explain how aerodynamics effects fuel economy for automobiles? _____

_____.
5. _____ is the force applied up or down on an object.
6. _____ is the air resistance force of a moving object.

7. Which of the following designs would be the least aerodynamic.

Design A

Design B



RACE EFFICIENCY

1. What was the **DRAG** of your car?.

Drag in grams

2. What was the **WEIGHT** of your car?.

Weight in grams

3. Multiply both numbers together.
This will give you the **EFFICIENCY**
of your dragster in grams.

Race Efficiency