

Name:

Date:

Class:

Efficient Car Design Worksheet

Materials

- 5 Popsicle® / hobby sticks
- masking tape, ~24 inches
- 4 Lifesavers® mint candies
- 3 drinking straws (small enough diameter to fit inside the mint candy holes)
- 3 index cards
- scissors

Ask

1. In your own words, what problem are you trying to solve in this activity?

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Imagine

2. In the space below, brainstorm ideas of the car you want to build. Compare your ideas with your teammates and pick the design you want to try first.

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Plan

3. Draw the design your team determined to be the best solution in the space below. Make sure to identify the materials you plan to use.

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Create

4. Build your car.
 - a. What worked with your design?

 - b. What didn't work with your design?

Test

5. Race your car prototype.
 - a. What happened?

 - b. What do you want to change? Why?

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Improve

6. In the space below, draw a picture of your final design below.

a. Did you make changes to your original design? Explain why and how that affected your new car.