

Name: \_\_\_\_\_

- Read through both scenarios
- Choose the scenario you think follows the Engineering Design Process the best. Circle the number.
- Explain why the one you chose will work better than the other.
- Please write your response in complete sentences.

**Scenario 3: Making a Wind-Powered Car**

Mr. Lee's class wanted to build a device that shows the transfer of energy. They decided to make a wind-powered car. First, they researched how wind energy could be used to power a car. Next, they brainstormed ideas and drew detailed plans. They made a list of materials, including a small fan, wheels, and a light car frame. They built the car step-by-step, checking their plans as they worked. Finally, they tested the car by turning on the fan to see if the wind could move it. The car moved across the room, showing how wind energy transferred to motion energy.

**Scenario 4: Making a Rubber Band Helicopter**

Ms. Garcia's class wanted to build a device to show the transfer of energy. They decided to make a rubber band helicopter. They immediately grabbed some rubber bands, sticks, and paper. Without any research or planning, they quickly tied the rubber bands to the sticks and attached the paper as wings. They didn't measure anything or make a design. When they tried to fly the helicopter, it didn't work. The paper wings were uneven, and the rubber bands were too loose. The helicopter fell apart, and they couldn't see any energy transfer.

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