**3D Print a Balloon Rocket Car Lab Report**

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

**Challenge:** Design and print a car that will be powered by a balloon

● Use Tinkercad to make a model of a vehicle - car, truck, van, etc.

● Create a curving tunnel from the top to the back of the model

doughnut slice or the torus)

● Add a neck with a lip to the top of the tunnel for the balloon

● The body of the car must have tunnels 5 mm in diameter for bamboo

skewer axles to fit through

**Add a picture of your completed car here:**

1. Did your car work? What could you do to improve it?

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2. How is this balloon rocket car an example of Newton’s third law?

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3. What action and reaction forces were involved in the moving car?

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4. Give one real world example of Newton’s third law. Explain why it is a

good example of Newton’s third law.

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