

# SCIENCE FRICTION LAB

NAME \_\_\_\_\_ hr \_\_\_\_\_

## SCIENTIFIC QUESTION:

Which type of friction is the largest force— rolling, sliding, or static?

**A] HYPOTHESIS:** (What is your guess?) *I think* \_\_\_\_\_

## B] PROCEDURE/EXPERIMENT:

Design and carry out an experiment to determine if rolling, sliding, or static friction exerts the largest force. Write out your steps below. You may or may not need all 5 steps below. Add any if needed on the backside.

1 \_\_\_\_\_

2 \_\_\_\_\_

3 \_\_\_\_\_

4 \_\_\_\_\_

5 \_\_\_\_\_

**C] RESULTS/ DATA:** Make a data table for your experiment. (5 pts)

**D] ARGUMENT:** Make a claim about what you have found. Which type of friction exerts the greatest force? The least? Create a statement of truth that is supported by **evidence** you found in this lab. (2pts)

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\_\_\_\_\_  
\_\_\_\_\_

**E]** What parts of this experiment were the controlled variables? (3pts)

\_\_\_\_\_

**F]** What are the potential scientific errors in our experiment? (2pts)

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