

Friction Investigation Worksheet

Name: _____

1. Experiment to find the answer to this question: Which materials have the MOST friction and which materials have the LEAST friction?

2. Method:

We built sliders like this: (draw a picture of a slider)	We set up each trial like this: (draw your slide)

3. Describe what you will do in each trial:

- How will you start your sliders sliding? _____

- How many sliders will you test together? _____
- How will you decide which slider has the least friction? _____

- How will you decide which has the most friction? _____

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4. Data Collection:

Complete four trials of your experiment.

Trials	Observations / Measurements
In each box below, write down the materials you tested.	Write down observations or measurements for each trial. For example, <i>"We observed that the cardboard began sliding first.."</i>
Trial 1:	
Trial 2:	
Trial 3:	
Trial 4:	

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5. Claims and Evidence

Our claim: We think _____ has the **most** friction.
(material)

Evidence that supports this claim: _____

Our claim: We think _____ has the **least** friction.
(material)

Evidence that supports this claim: _____

Our claim: We think _____ (list materials)

have more friction than _____ (list materials).

Evidence that supports this claim: _____

6. Additional Investigation

Next time, we want to try _____

because _____
