



Investigating Friction

Large rounded rectangular box for notes, with a pair of glasses icon on the right side.

Which surfaces will you test?

Large empty rectangular box for writing the surfaces to be tested.

Which surface do you predict will create the most friction for the toy car?

Horizontal line for writing the predicted surface with the most friction.

Measure how high the ramp needs to be for the car to start to move over each surface.
Record your results below.

Surface	Height of Ramp When the Car Started Moving

Which surface created the most friction for the toy car?

Horizontal line for writing the surface with the most friction.

Which surface created the least friction?

Horizontal line for writing the surface with the least friction.

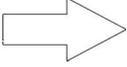
Was your prediction accurate?

Two horizontal lines for writing the answer to the prediction accuracy question.

Can you explain your findings? Why did the different surfaces create different amounts of friction?

Two horizontal lines for writing an explanation of the findings.

Use these words to help you explain your ideas.

rough  smooth  surface  force  friction 