

Activity

What surfaces create less friction? Guess which surface a toy car will roll farthest on when you push it. Then find out by doing the following experiment.

What You Need

- toy car that is easy to roll
- 4 different flat surfaces on which to roll your car, such as carpet, a hardwood floor, grass, and a wooden deck
- ruler
- cell phone camera or crayons and paper

What You Do

1. Practice pushing the car so that it rolls forward. Practice giving it the same push each time.
2. Give the car the same push on each of the four surfaces. Measure how far the car rolls on each surface.
3. Use the cell phone camera to make a movie of the experiment, or draw a picture of the results.



What Do You Think?

Make a claim.

A claim is something you believe to be true. What type of surface produces the least amount of friction? Use the results of your experiment to support your claim.