Name _____ Date _____ Class _____

ACTIVITY

The Friction 500

1. Make a short ramp out of a **piece of cardboard** and **one or two books** on a table.
2. Put a **toy car** at the top of the ramp and let go. If necessary, adjust the ramp height so that your car does not roll off the table.
3. Put the car at the top of the ramp again and let go. Record the distance the car travels after leaving the ramp. Do this three times, and calculate the average for your results.
4. Change the surface of the table by covering it with **sandpaper** or **cloth.** Repeat step 3. Change the surface one more time, and repeat step 3 again.
5. Which surface had the most friction? Why? What do you predict would happen if the car were heavier? Record your results and answers.