

## Friction Basics

Name:

Period:

Use the website [physics4kids.com](http://physics4kids.com) to answer the questions below.

[Start by going to the page on the navigation bar called MOTION, then choose "Friction" from the menu on the right]

What is the definition of friction given by the website?

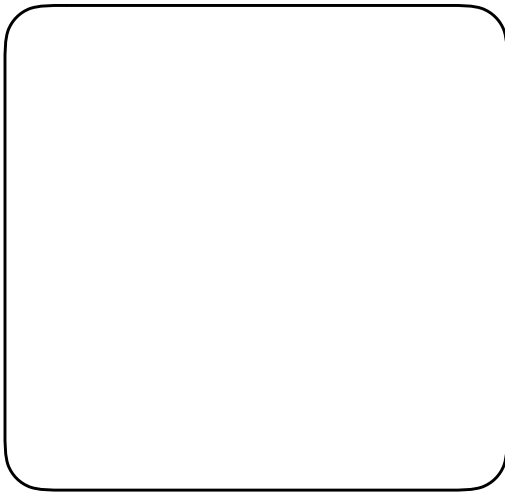


How does friction act, compared to the direction that an object wants to move?

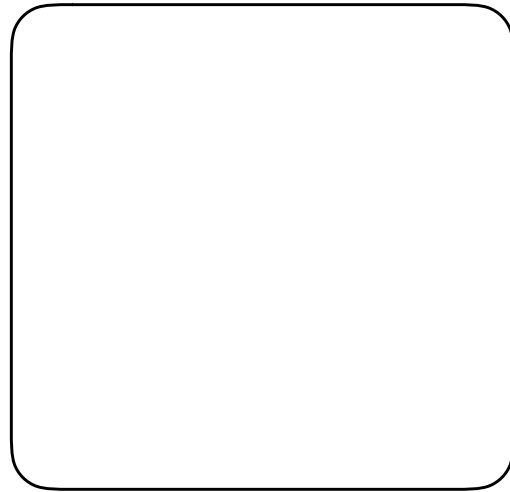
Where does friction happen?

In **Box 1** below, draw a close-up view of someone walking on a sidewalk. Be sure to show both the sidewalk and their shoes as if you were looking at them from the side. Add a label to your drawing to show where the friction is, and label it FRICTION.

In **Box 2** below, draw a close-up view of someone walking on a sidewalk again. However, this time draw their shoes right after they have stepped on a banana peel that was on the sidewalk [*heh heh heh*]. For this diagram, you will add two labels, one that says FRICTION and another that says A LOT LESS FRICTION.



**Box 1**



**Box 2**

Why could stepping on a banana peel be really dangerous? You must use the term *friction* correctly in your answer.