Friction Basics

Name:

Period:

Use the website 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?

Look at the diagram of the block. How does friction act, compared to the direction that an object wants to move?

Where does friction happen? *Hint: Where do you find it?*

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.

Work: 8 points, Assessment: 3 points