

Station C—Friction

1. Place a textbook at one end of ramp. Raise the ramp until the book begins to slide.

Record the distance the ramp was raised in centimeters. _____

2. Cover the ramp with the towel and place the textbook on the ramp again. Raise the ramp until the textbook begins to slide.

Record the distance the ramp was raised in centimeters. _____

3. Draw a diagram in the space below of the textbook on the ramps with and without the towel. Identify, using arrows (vectors), the direction of each of the forces acting on the object(s).