

Station D—Friction

1. Observe the textbook on the table.

In its resting state, describe the forces acting on the textbook. _____

2. With your finger, lightly press on the side of the textbook, but not hard enough to move it.

Describe the forces acting on the textbook now. _____

3. Draw a diagram in the space below of the textbook with your finger pressed against the side. Identify, using arrows (vectors), the direction of each of the forces acting on the object(s).

4. Use the spring scale to determine how much force is needed to make the textbook slide.

How large is the force, in newtons (N), needed to move the textbook? _____

Describe the opposing force. _____
