

CHAPTER OVERVIEW

5: Further Applications of Newton's Laws- Friction, Drag, and Elasticity

It is difficult to categorize forces into various types (aside from the four basic forces discussed in previous chapter). We know that a net force affects the motion, position, and shape of an object. It is useful at this point to look at some particularly interesting and common forces that will provide further applications of Newton's laws of motion. We have in mind the forces of friction, air or liquid drag, and deformation.

[5.0: Prelude to Further Applications of Newton's Laws](#)

[5.1: Friction](#)

[5.2: Drag Forces](#)

[5.3: Elasticity - Stress and Strain](#)

[5.E: Further Applications of Newton's Laws \(Exercises\)](#)

Thumbnail: Weight (W), the frictional force (F_f), and the normal force (F_n) impacting a cube. Weight is mass (m) multiplied by gravity (g). (CC-SA-BY-3.0; [Email4mobile](#)).

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