

## In air, falling is a competition between weight (force of gravity) and drag.

As objects fall faster and faster, drag increases, but weight is constant.



Eventually, the drag will equal the weight, making the Net Force zero, and the speed up stops.

## **That's TERMINAL SPEED.**

## Do heavier objects fall faster? Not always

But heavier objects with less surface area or an aerodynamic shape will take longer for Drag to equal Weight,

and so have a higher terminal velocity.

