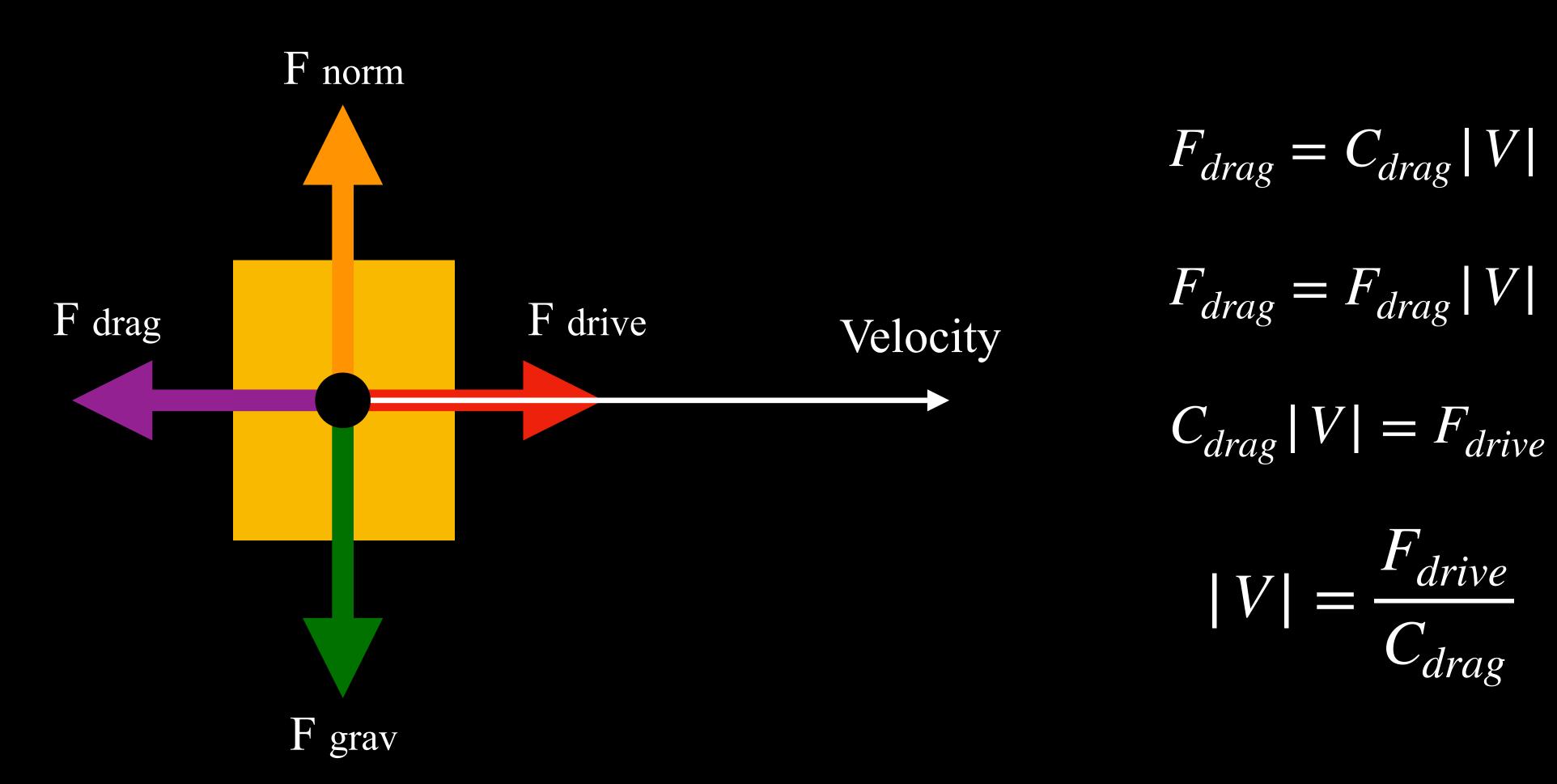
Player

Left/right

Because drag increases with velocity, there is a point where the drag force balances out the drive force, and the object stops accelerating. This is the terminal velocity.

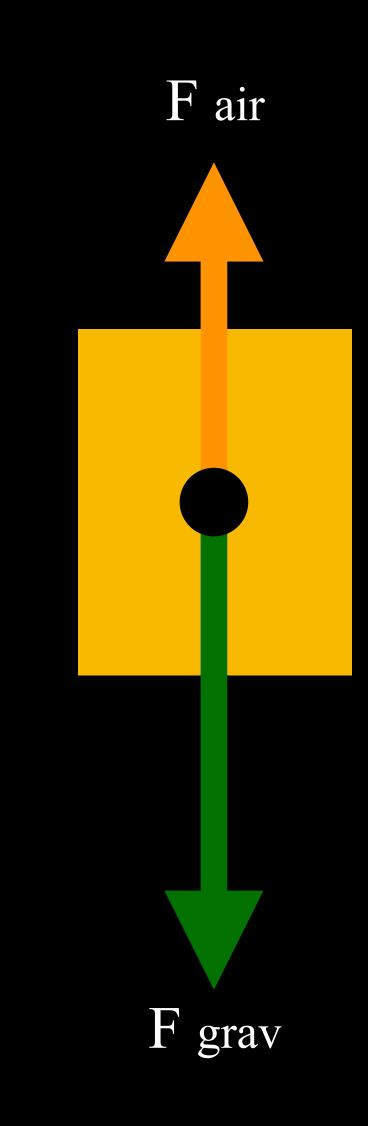


Player

The player is falling downward and speeding up.

Forces present:

 $\overline{F_{grav}(down), F_{air}(up)}$



When the player accelerates downward, the downward force is stronger than the upward force.