

## Net Force and Acceleration: Apple-and-Car Scenario

### Instructions

A car driver steps on the gas pedal, and the car accelerates. When an apple falls in the middle of the road, the same driver is suddenly forced to stop.

- In **black** ink, predict the *direction of the net force* in each scenario.
- In **red** ink, predict the *direction of acceleration* (change in motion) in each scenario.



Courtesy of Hector Mireles