Newton’s Laws of Motion

First Law:

This means that: an object at rest ______________  _____  ____________.
   Example:  You’re standing in a bus that’s starting up again:

This means that: an object in motion ______________  _____  ____________.
   Example:  You’re sitting in a braking car:

This means that: an object at rest remains at rest or an object in motion remains in
   motion unless:  ____________________________________________________________.
   Example:  Becalmed Sailboat:

Second Law:

This means that: If an object increases in speed, it ________________.

This means that: If an object decreases in speed, it ________________.
   Also called ________________.

This means that: If an object’s path changes in direction, it ________________.
   Example:  Motorcycle increasing in speed:

   Example:  Bicycle turning a corner:

Third Law:

This means that: Forces always act ______  ___________ but in
   __________________________  __________________________.

This means that: You have to identify what (action) is pushing on what (reaction)

   Example:  Bat hitting ball:  the baseball forces the ball to the right (action)
                  and the bat forces the ball to the left (reaction)

   Example:  Bowling ball hitting pins:
   Example:  Student pushing on a wall: