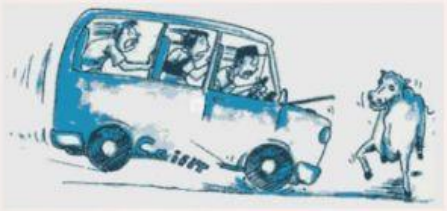
PHYSICS
Newton's Law

1. Choose the correct Newton's law.

The book was very heavy. It pushed downward onto the table with a Force. The Force of the table pushing upward on the book prevented the book from falling downward to the floor.



Henry was driving his car. When he pressed on the brake pedal, his body folded forward as the car slowed to a stop.

Rooney kick the soccer ball. He hit the ball woth a very strong force. The ball accelerated very quickly for very long distance.

2. Fill the blanks according to the key words.

A golf ball stay at _____ and has no _____, until a new _____ acts on it and makes it _____! As the ball travels up in the air, it slows down, changing its _____. When it reaches its highest point, it changes its _____ and begins to fall back to the ground. The change in direction and speed is caused by the motion that results from a new force acting on the ball. What is the new force acting on the golf ball? _____ . If this force didn't exist, the ball would keep moving at the same speed forever!

rest
inertia
motion
acceleration
position
move
force

3. Choose the right answer.

While you're ice-skating with your friends, you push off from one end of the rink and slide forward. Based on Newton's First Law of Motion, what is true?

What does friction do to a moving object?

Your friend kicks a soccer ball, and it stops a few meters from you. What needs to happen to it order for it to return to your friend?