

| | Scenario | A (Prediction) | B (Explanation) | D (Results) |
|---|--|-----------------------|------------------------|--------------------|
| 1 | The truck starts forward quickly from a stopped position. | | | |
| 2 | As the truck moves forward at constant speed, the driver applies the brakes and turns right at the same time. | | | |
| 3 | As the truck moves backward at a constant rate, the driver applies the brakes while turning the steering wheel so that the rear of the truck moves to the right. | | | |
| 4 | The stopped truck is rammed from behind by another vehicle traveling 50 km/hr. | | | |
| 5 | As the truck moves backward at 15 km/hr, the vehicle accelerates while at the same time the driver turns the steering wheel and moves the back of the truck to the left. | | | |

| | | | | |
|----|--|--|--|--|
| 6 | While the truck is stopped on an old bridge, the bridge suddenly collapses, and the truck falls straight down. | | | |
| 7 | The truck is moving forward at a constant speed of 30 km/hr and then accelerates while the driver turns left. | | | |
| 8 | The stopped truck is rammed directly on its left side by another vehicle moving at 35 km/hr. | | | |
| 9 | A tow truck attaches a chain to the front of your truck and suddenly jerks your truck forward. | | | |
| 10 | The stopped truck is rammed from the front by another vehicle. | | | |

Question:

Do your results support Newton's First Law? Explain your answer.