

Smart Writeup's

Practice. Learn. Succeed

Sub : Science

Grade: IX

Date:

Name:

ID No.....

1. Define balanced and unbalanced forces. Why is acceleration of a body not possible under the action of balanced forces?

2. State Newton's laws of motion. Give an example to explain each law.

3. What do you mean by internal and external force. Explain why is it not possible to impart motion to a bus when all the passengers sitting inside push the bus simultaneously along the forward direction?

4. State the law of conservation of linear momentum. Prove this law for two bodies moving along the same line and colliding.

5. When a person jumps from a boat on the shore, the boat starts moving in the opposite direction. Explain this phenomenon on the basis of principle of conservation of linear momentum.
