

Q. Explain along with ~~ex~~ examples that a force can
a) change the direction of motion of a moving body, b) change the shape or size of the body.

Ans a) When a force is applied on an object in a direction other than its direction of motion, its direction of motion changes. Ex- When a tennis player hits a ball, and the other player ~~it~~ hits it in another direction of ~~the~~ the motion of ball, its direction of motion changes

b) When ^{force is applied on} an object which is not allowed to move, its shape changes. ~~Ex~~ E.g. When a ball of dough is pressed by a rolling pin, ~~on~~ its shape changes and it becomes flat.

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