

## Energy Transfers in Collisions

**Connect the term to its meaning:**

1-Occurs when two or more objects hit each other with a force.

Energy Transfer

2- It's the movement of energy from one object to another.

Conservation of Energy

3- Energy cannot be created or destroyed. It can only change form.

Collision

**Choose correct type of energy to solve this statement:**

Is transformed or transferred; it cannot be made or destroyed

A- Energy

B- Momentum

The collision of two marbles can cause the ..... of both marbles to change.

A-Energy

B-Motion

It can protect people on cars during accident.

a- Seat belt

b- Wheels

c- Car doors

Which is *not* an example of a collision causing energy transfer and change in motion?

A- a bat strikes a baseball

B- a catcher catches a baseball

C- a baseball hits the ground

D- a baseball flies through the air

During a collision, some energy can be transferred into ..... or sound.

A-Force

B- Heat

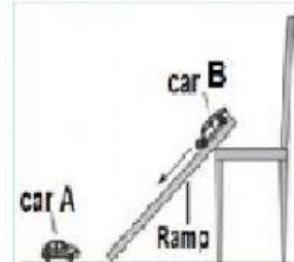
C-Electricity

D-Conservation

**Choose correct answer:**

1-Car A will not move. (True or False)

2-Car B will collide then slow down then stop. (T or F)



### Learner Profile Reflection

What did you learn with this activity?

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What attributes did you display?

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How well did I do? (Mark your choice with an X)

Excellent

Good

Need Improvement