

Physics

Topic/ Objective:

Conservation of Momentum: Explosions and collisions

Name:

Period:

Date:

Essential Question:

Questions:

Notes:

What are conservation laws in Science?

What is the Law of Conservation of Momentum?

Momentum formula and units

What is a 'Closed system'?

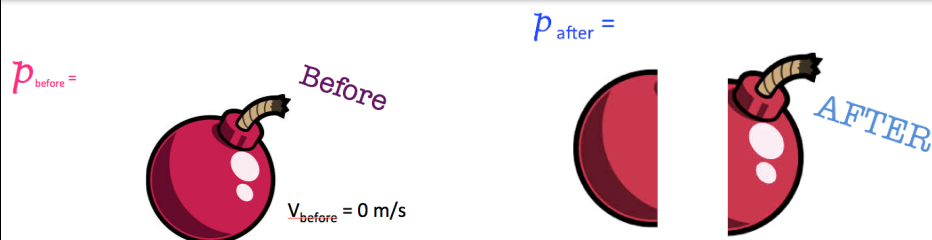
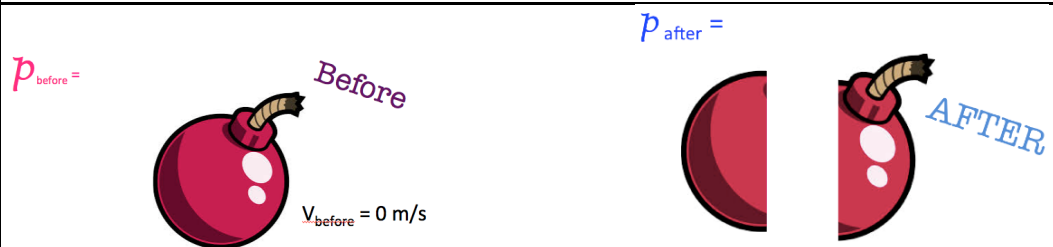
How does momentum get transferred with in a closed system?

In a closed system, how does momentum before compare to momentum after?

Conservation of Momentum in

EXPLOSIONS

How does the momentum before the explosion compare to the momentum after the explosion?



Conservation of Momentum in

INELASTIC COLLISIONS

In an _____ collision,

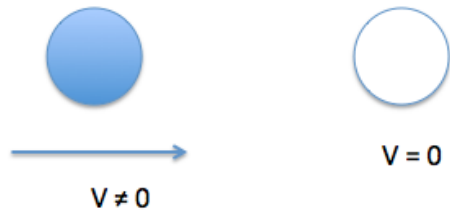
the objects _____

after

the collision.

How does the momentum before the collision compare to the momentum after the collision?

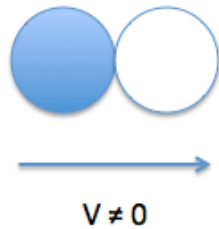
Before



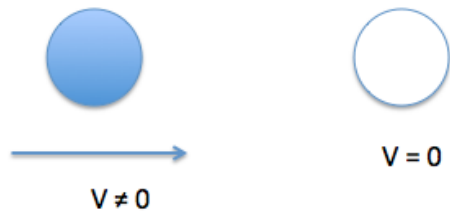
During



After



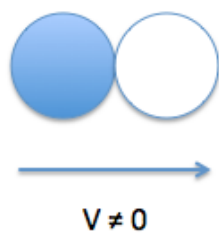
Before



During



After



Conservation of Momentum in

ELASTIC COLLISIONS

In an _____ collision,

the objects _____

after _____

the collision.

How does the momentum before the collision compare to the momentum after the collision?



Summary:

