

Unit 2E - Newton's Third Law of Motion

Explain the following observations:

1. A fish propels itself through water by pushing backwards with its fins
2. A bird flies upward by flapping its wings and pushing air downward
3. A cart rider pushes the wall and moves backward from the wall

Review: A force is :

According to Newton, whenever objects A and B interact with each other

When you sit in your chair, your body exerts a _____ and the chair exerts an _____. There are two forces resulting from this interaction - a force on the chair and a force on your body.

These two forces are called _____.

Formally stated, Newton's third law is:

The statement means that in every interaction, there is a _____ acting on the _____ interacting objects. The _____ equals the _____. The _____ of the force on the first object is _____ to the _____ of the force on the second object. Forces always come _____.