

Name Answer Key
Date _____

Science
Physical Science

Forces FKA1' Study Guide

****FK on Wednesday, October 18th ****

Study these vocabulary words:

- Force
- Motion
- Unbalanced force
- Direction
- Balanced force
- Predict
- Net force

} Use vocab
cards to study

Think about these:

On field day, you are playing tug of war with your friend but neither one of you is moving. What are you demonstrating? Why?

I am demonstrating balanced forces because my friend and I are not moving. Balanced forces cancel each other out and causes objects to NOT move.

When a hockey player slaps a puck, how is he or she using force on the puck?

The hockey player is ~~moving the puck~~ changing the direction of the puck.

You wanted to help move boxes of books for the librarian. You were able to push the small box but could not push the big box. What do you need?

I need more strength, ~~more force~~ more force to push the big box.

On the playground, Cooper has a rubber ball. He bounces ^{it} to the ground and it comes back to his hand. He bounces it and it comes back to his hand. How does Cooper demonstrate regular motion?

Cooper demonstrates regular motion by bouncing the ball in a predictable, repeating pattern.

A ride in the amusement park goes up, down, spins to the left, up, down, and spins to the left. What can you tell about watching the amusement ride in motion? Predict what its next movement will be.

The amusement ride shows regular motion. Its next movement will be up.

Name four balanced forces acting on an object:

- ~~eraser on the floor~~
- ~~pencil on a shelf~~
- ~~a book on a shelf~~
- ~~tug-of-war with no one moving~~
- eraser on the floor
- pencil on a shelf
- a book on a shelf
- tug-of-war with no one moving

Name two kinds of playground equipment that can move to show regular motion:

- swing
- seesaw

Nate is on a swing. Trent is pushing him in the swing. How can Trent make Nate go higher on the swing?

Trent can push Nate forward using more strength.