

Test Monday
3-26-18

Name: _____

Changes in Motion Study Guide

Directions: Write the definition for each of the words below.

Force - A push or a pull

Motion - The action of moving or changing position.

Pull - to move something towards yourself

Push - to move something away from you

Friction - an object rubbing or pushing on another object, slowing it down.

If there is a book lying on a table, when will it move? How will you be able to tell it moved?

When a force acts on it. It will have changed position.

When a book is sitting on the table is it a balanced or unbalanced force? balanced force

What will make the book become unbalanced?

Any force acting on it. (push or pull)

If you are helping your parents at the grocery store, which force would you use if you were moving the grocery cart?

push

If you are playing tennis with your friend, what happens when the ball is hit by your racquet?

It will change direction

What is the force that pulls objects to the center of the Earth called? gravity

Tell about an example of this force at work. Playing catch

List 6 words that you could use to describe how an object moves.

fast

rolling

left

slowly

sideways

far

What force did we observe in the lab with the wood block, string, cup, and washers?

The force we observed was friction

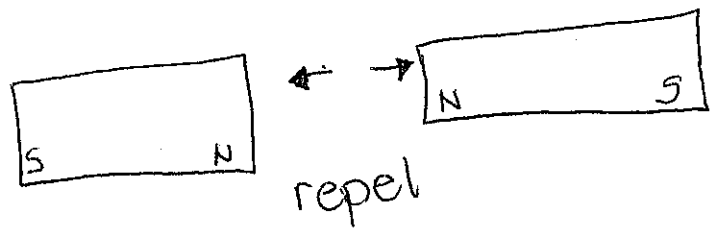
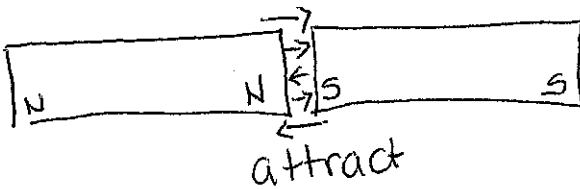
The materials we tested were: waxed paper, rubber bands, sandpaper, and plain wood

Which material created the least friction? waxed paper

Which material created the greatest friction? rubber bands

How do you know? It took many washers (weight) to move the block

Draw and label two magnets that attract and repel each other.



Draw and label two balloons that attract and repel each other.

