

Name:

Inertia & Motion!

Let's Talk About It!

Predict:

What do you think will happen when an end of the beads is pulled out?

Observe:

What did you see in the video?

Explain:

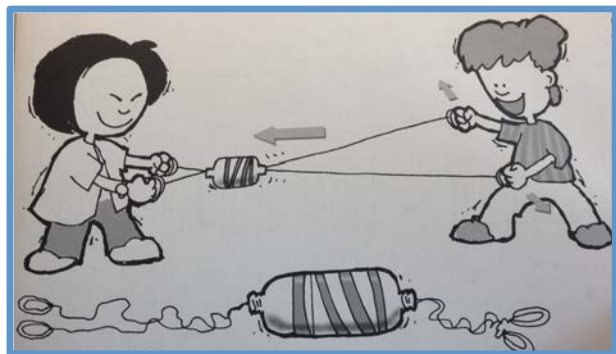
How can you explain what you've seen?



Inertia Zoom Ball!

Materials:

- Scissors
- Two 2L Plastic Bottles
- Masking Tape
- Coloured Paper and Ribbons (for decoration)
- Two 12-foot strings
- Straws (for handles)



Instructions:

1. With a grown-up's help, cut the bottoms from two soda bottles.

2. Tape the bottles end to end so they form a football shape. Decorate the bottles, if you'd like!

3. Thread the two strings through the necks.

4. Tie the pieces of straw into a circular pattern to make two handles at each end. Now, zoom!

Name: _____

Talk About It!

1. How does this toy work?
2. Where does the ball get its energy to move from?

Newton's Corner

Have you ever wondered about motion and energy? Sir Isaac Newton did. He came up with three simple laws that explain how things move around. When Newton was 23, he had to leave University because many people were very sick. Newton kept working at his mom's farm, and made these amazing discoveries while being there!



Everyday Inertia

How is inertia at play in the following pictures?



a) _____

b) _____

c) _____