

Name:

# All About ENERGY (Teacher Version)

## Everyday Energy

Where do you see energy in the following pictures?

- a) *Child using energy to jump and transferring energy into ball to send it the other way.*
- b) *Child using energy to spin the rope and jump over it.*
- c) *Children using energy to kick their legs and send water into the air.*
- d) *Child using energy to move arm and torso to throw the ball forward.*

## Inertia Zoom Ball!

**M** \_\_\_\_\_ :

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

Name:

## Talk About It!

1. How does this toy work?  
*The pushing action of the strings sets the bottle in motion. When it reaches the other end, an opposite pushing action from the second player stops the ball for a moment before sending it back to the first player.*
2. Where does the ball get its energy to move from?  
*The energy from students moving their arms is transferred into the string, sending the ball away from them.*

## Newton's Corner

Have you ever wondered about motion and energy? Sir

Name:

**I S :**

**E E :**

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**I Z B :**

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6. Second Law Media: <http://www.secondlawmedia.com/how-much-time-does-it-take-to-manage-a-ppc-campaign/>
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**E S :**

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6. Energy Industry Photos: <http://www.energyindustryphotos.com/Photos%20of%20Oil%20Rigs.htm>
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9. Wikipedia: [http://en.wikipedia.org/wiki/Wind\\_farm](http://en.wikipedia.org/wiki/Wind_farm)
10. Wikipedia: <http://en.wikipedia.org/wiki/Propane>