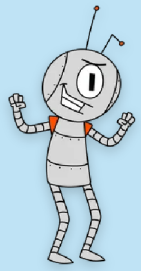
SCIENCE · ENERGY · GRADES 3–5

Bouncing Ball Experiment

Drop a ball from four heights, measure each bounce three times and explain where the energy goes.



Name: _____ **Date:** _____

You need: a bouncy ball, a meter stick taped to a wall and a partner. **Do it:** drop the ball (do not throw it) from each height. Your partner watches how high it bounces.

Drop height	Bounce 1 (cm)	Bounce 2 (cm)	Bounce 3 (cm)	Highest
25 cm				
50 cm				
75 cm				
100 cm				

What happens to the bounce when you drop the ball from higher up?

The ball never bounces as high as you dropped it. Where does some of the energy go?

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