

How can we transfer energy?



Marble fun

Objective

To use a various states of force to determine the amount of energy transferred

Materials



5-6 marbles



ruler with a groove
down the middle

Instructions

1. Find a level surface to work on, such as a table or desk.
2. Line 3 marbles up in the middle of the groove of the ruler.
3. Put 1 marble at the end.
4. What do you THINK will happen when you flick the one marble at the other three?
This is called your hypothesis (an educated guess). Give it a try—flick the marble.

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5. Try different configurations of marbles and see what happens. What happens if you flick the marble harder or lighter?

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6. What happens if you flick two marbles instead of one?
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