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| Compare the energy of the two moving objects.  |
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| Female archer image | Free SVG It took **one second** for this arrow to **reach the target** and the archer is ready to fire again.Did this arrow have ***more***or ***less*** movement energy than the one below?  |
| Female archer image | Free SVG**One second** has passed and this arrow is **still in the air**, and the archer is ready to fire again. |
|  Car 1 has traveled this far from the start line in **5 seconds**. Car 1Did the red car have ***more***or ***less*** movement energy than the blue car?  |
| Car 2 has traveled this far from the start line in **5 seconds**. Car 2 |

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| **Marty’s Energy Experiment** |
| What statement are you trying to prove? What materials do you have?What steps will you take to prove it?What did you change and what did you observe?

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| --- | --- | --- | --- | --- |
| **Attempt** | **Step Length** | **Number of Steps** | **Time for Step** | **Observation** |
| 1 |  |  |  |  |
| 2 |  |  |  |  |
| 3 |  |  |  |  |
| 4 |  |  |  |  |
| 5 |  |  |  |  |

What can you conclude about the different values?  |
| **Did you learn anything interesting from this experiment?** |

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