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| Compare the energy of the two moving objects. |
| |  | | --- | | 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 1  Did 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?   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **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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