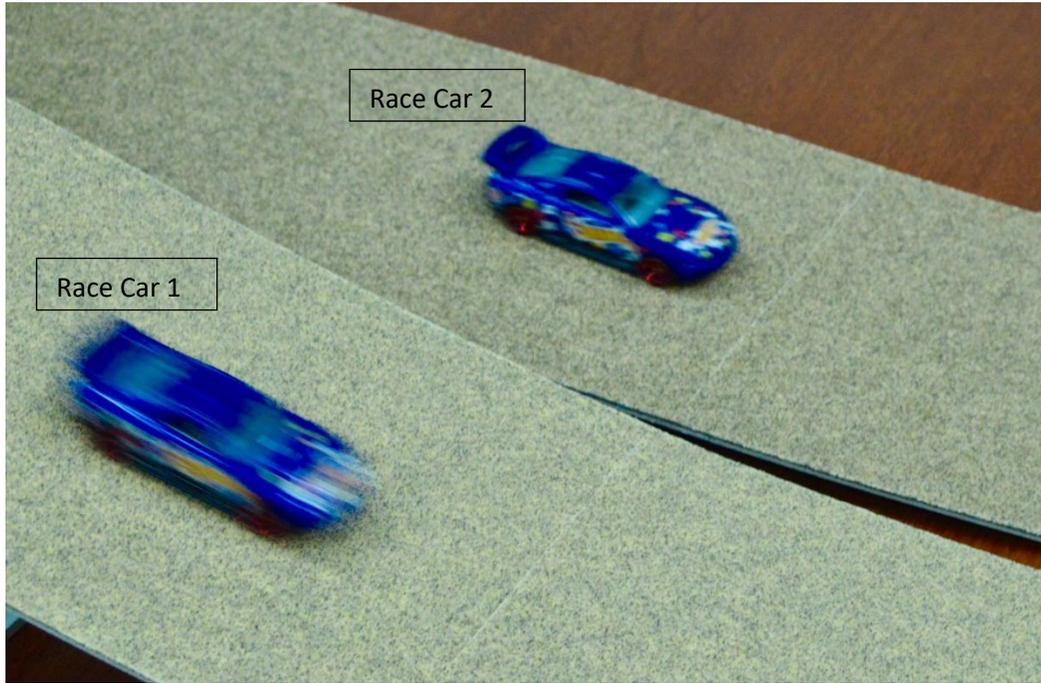


Name: \_\_\_\_\_

Date: \_\_\_\_\_

### Energy Transfer Student Pre- or Posttest

1. Two identical race cars are racing around a track.



Photograph by Hector Mireles

a. Describe the speed of the two cars.

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b. Compare the energy of the two cars. How do you know which car has more energy?

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3. Tom and Marla go to the local amusement park. They're excited to ride in the bumper cars, but Tom can't get his car to move. Marla sees her chance to run into Tom. BAM! Marla hits Tom's car.



- a. Describe what happens to the motion of both Marla's car and Tom's car after the crash.

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- b. What happens to the energy of both cars during the crash?

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4. Jonelle is moving down a slide on the playground.



Photo courtesy of Pixabay.com

a. Describe Jonelle's energy as he moves down the slide.

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b. Where did the energy come from to move Jonelle down the slide?

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5. Klaire turns on the TV to watch her favorite show. She has been learning about energy at school and tells her mom that their TV has energy. How does Klaire know that the TV has energy? What is her evidence?

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