

Name _____

The Dynamic Duo of Energy: Kinetic and Potential

Short Answer

1. Explain the role of kinetic and potential energy when you press the gas pedal to accelerate your car.
2. How does braking a car involve the conversion of energy between kinetic and potential forms?
3. Describe the transformation of energy that occurs when a roller coaster descends from the top of a hill.
4. Give an example of an everyday activity that involves the interplay of kinetic and potential energy other than driving or riding a roller coaster.
5. Why is it important for roller coasters to have enough potential energy at the beginning of a ride?

