

Name \_\_\_\_\_

## The Dynamic Duo of Energy: Kinetic and Potential

### Open-Ended Response Questions

1. Investigate and explain how energy conservation principles are applied in modern electric and hybrid cars to maximize efficiency and reduce fuel consumption.
2. Reflect on the environmental benefits of regenerative braking systems in vehicles. How do these systems contribute to energy conservation and sustainability?
3. Analyze the safety measures in place on roller coasters to ensure that potential and kinetic energy are managed to provide a thrilling yet secure experience.
4. Imagine a future where all energy sources are renewable and sustainable. How might this impact transportation and amusement park rides, and what benefits could it offer to society as a whole?

