

# Physics of Roller Coasters

## Lab Journal



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



## Post-Visit Journal

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## Vocabulary

WORD	DEFINITION	PICTURE
Mechanical energy		
Kinetic energy		
Potential energy		
Velocity		





## My Questions

Questions I want to ask about gravity, force or roller coasters:

1. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Answer: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Source: \_\_\_\_\_  
\_\_\_\_\_

2. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Answer: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Source: \_\_\_\_\_  
\_\_\_\_\_

3. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Answer: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Source: \_\_\_\_\_  
\_\_\_\_\_

## Lab Questions

1. List some of the parts needed to create a roller coaster.

A. \_\_\_\_\_

B. \_\_\_\_\_

C. \_\_\_\_\_

2. Draw a picture of your first roller coaster.

3. Draw a picture of your second roller coaster.

4. Label places of high potential energy (PE) and high kinetic energy (KE) on your roller coaster drawings for questions number 2 and 3.