Physics of Roller Coasters Lab Journal



Student Name: _____



Vocabulary

WORD	DEFINITION	PICTURE
Gravity		
Energy		
Force		

Vocabulary

Cut out these vocabulary definitions. Then match and paste them with the words on pages 1 and 2.

	1	
The ability to do work		Energy possessed by an object due to its motion or its stored energy of position
The energy of motion		A force that pulls objects toward the center of the Earth
The energy of position; energy that is stored and held in readi- ness		An influence (push or pull) on a body or system, causing a change in movement or shape

Post-Visit Journal

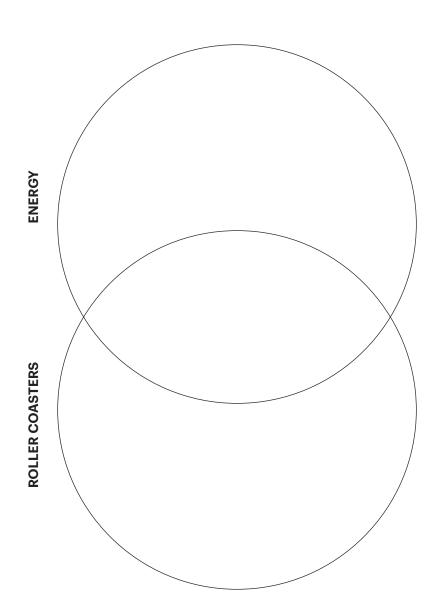
Vocabulary

WORD	DEFINITION	PICTURE
Mechanical energy		
Kinetic energy		
Potential		
energy		

Pre-Visit Journal	Post-Visit Journal

Venn Diagram

Include at least 3 things in each space of the Venn diagram to demonstrate your understanding of roller coasters and energy.



Pre-Visit Journal

My Questions

Questions I want to ask about gravity, force or roller coasters:	1. List some of the parts needed to create a roller coaster.
1	A
	_ B
	U
Answer:	2. Draw a picture of your first roller coaster
Source:	
2	
Answer:	
	3. Draw a picture of your second roller coaster.
Source:	_
3	
Answer:	_
Source:	 4. Label places of high potential energy (PE) and high kinetic energy (KE) on your roller coaster drawings for questions number 2 and 3.

Lab Questions