FLIGHT DECK - The Ride

	e and Accelerations to help you that meets each of these deseach region in the space provide	criptions. Record the				
Work is being done by an electric motor on the cars						
This point h	This point has the greatest Gravitational Potential Energy					
This point h	This point has the greatest Kinetic Energy					
2. Is there a place where the riders go at a constant speed? Where? How did you determine they were going at a constant speed there? (Be specific)						
3. At this place on the ride, do the riders experience any net forces? Any net accelerations? In which direction is the net force if there is one? Why did you answer these questions the way you did?						
4. Are any energy changes going on during this section of the ride? Describe them.						
5. List 2 places where the riders are speeding up. (These can be between the lettered points on the graph or at specific places on the ride as you saw it in the video.) Are any energy changes going on in each section? Describe. Would the riders feel any net forces or accelerations? Describe the direction of any net forces and indicate why they would feel the net force in this direction.						
Location on Ride	Energy Changes	Net Forces/Accelerations				
(a)						
(b)						

6. List 2 places where the riders are slowing down. (These can be between the lettered points on the graph or at specific places on the ride as you saw it in the video.) Are any energy changes going on in each section? Describe. Would the riders feel any net forces or accelerations? Describe the direction of any net forces and indicate why they would feel the net force in this direction.

Location on Ride	Energy Changes	Net Forces/Accelerations
(c)		
(d)		

7. List 2 places where the riders are changing direction rapidly. (These can be between the lettered points on the graph or at specific places on the ride as you saw it in the video.) Are there any energy changes going on in each section? Describe. Would the riders feel any net forces or accelerations? Describe the direction of any net forces and indicate why they would feel the net force in this direction.

Location on Ride	Energy Changes	Net Forces/Accelerations
(e)		
(f)		

8.	Flight Deck		pt comes int	o play for tl	d describe a situation/locate riders. Explain how the	
	Inertia	Momentum		Energy	Centripetal Force	
	Inertia	Momentum	rriction	Ellergy	Centripetal Force	
9.					Describe three (3) ways in ller coaster. Be specific an	
to a s _i availd	pecific ride. In able video tapes	this case it is Flig. s. If you have a vid	ht Deck, whi leotape of o	ich is featur ne of the ria	them to apply the basic co ed in several commercially les and you have data that t using this one as a model	v is