Name:		F	PD:	_ Date:		
E	nergy Sk	ate Park				
Create a ramp like Make sure the ram				10.02 m		
Drop the skater fro the top of the ramp again.				hes		
Open the 'Energy vof data has been coinformation in the	ollected. Use	this graph to		set		
	PhET Sk	ater St	ar Skater	Bulldo	g	Bug
Maximum potential energy						
Minimum potential energy						
1. Which of the ska	aters had the	most energ	y?			
2. Why did this sk	ater have the	most energ	y?			
3. Why does the to	otal energy li	ne remain fla	at?			
Set up your ramp shown.	so that it loo	ks like the or	ne 🕞	9, 1		
Drop the skater from table below.			The State of the S			
Dot	1	2	3	4	5	6
Max. potential						
enerov						

5. Explain why	this happened.			
In the table bel energy for eac Repeat this on	ater at the top of the	imum potential		
	PhET Skater	Star Skater	Bulldog	Bug
Earth				
Moon				
Jupiter				
9. What are the	values of gravity o	ntial energy of the sl	and on Jupiter?	
of the skater.		track and explain wh		