Markov Student Worksheet

Your name:	Class Period
Your name:Partner's name if you have a partner: _	
Welcome to Data Games!	
 1) Watch the first short video introducing If your teacher wants you to watch type in this URL: http://tinyurl.com/ 	ch this video on your own computer,
2) Open the gameType in this URL to open <i>Markov</i>: http://tinyurl.com/	
3) Click <i>Play</i> and see if you can rescue M	Madeline!
4) After you've played two or three ganTake a good look at the data in th understand Markov's patterns.	nes le graph to see how it can help you
 (Q1) Are your moves being show 	n in the graph? (yes/no)
	e the data to beat Markov consistently, eo to learn how to save Madeline faster
6) Watch the second short videoIf your teacher wants you to watch type in this URL:http://tinyurl.com/	
	e game box, and use the method you oves you want to make automatically.
	the main game screen. You can change setting the slider anywhere between

• Then click *Autoplay*.

Your name: Partner's name if any:
 9) Revise strategy as needed You may need to go back to the Set Strategy screen to change some moves. Continue adjusting your strategy until you can consistently save Madeline using Autoplay.
 10) Weight your moves Now go into Set Strategy again and drag the weights around among the small boxes to weight the moves you feel most confident about. This was a technique shown in the video that will speed up your winning strategy.
 11) After you win Congratulations, well done! (Q2) Suppose you were asked to help out a friend who has played the game but hasn't yet figured out how to defeat Markov. Explain below to your friend how to use the data and win (without Set Strategy).
• (Q3) Playing against Markov is frustrating sometimes, as he is not always consistent in his pattern of moves, right? Explain to your friend how you decided to make some of your moves even when you're not absolutely sure what Markov will do, based on looking at the data from previous games. Give an example from your data.

12) Ask your teacher if you should continue on and play higher levels of the *Markov* game.