

Changing Hudson Project

Na	me _	Date
		Tides in the Hudson
The Hudson River is an estuary from the Troy dam all the way to New York City, which means that fresh and salt water mix in this area. The tides influence this mixing on a daily basis. The data below show salinity in the Hudson River over a four-day time period. They were collected in the Hudson River near West Point in August 1995 by scientists from the Cary Institute.		
		l, open the spreadsheet titled 'Salinity at West Point.' Graph the data, putting time on the Then answer the questions below.
1.	Wha	at pattern(s) do you notice?
2.	Who	en is the lowest level of salinity? The highest?
3.	How	v do you think the Hudson River's tides impact the salt levels in the water?
4.	Wha	at do you think would happen to the salinity levels if it started to rain?
5.	Wha	at do you think would happen to the salinity levels if it didn't rain for weeks?
6.	and	ou were on a boat that started in Troy and sailed down the river towards New York City, decided to measure salinity levels along the way, what trend do you think you would find ou moved along the river? Explain your answer.
7.		the scientists had collected data for the whole month of August, how would you expect the to change?
8.	Hov	v would you expect the data to change if it were collected for the month of April?