Field Trip Study Guide

1) Find the valence	electron number for Boro	n, Phosphorus & Silicon.	
Boron	Phosphorus	Silicon	
	tal amount of energy generatergy grid:%	ration that wind & solar contribute	to
While you're there	9		
*	usable energy for the 400	ly created by the photovoltaic cells 0,000 homes this array produces	;
AC/DC current u		e PV cells make is different from the nd how that power is converted to ay.	
•	nism behind how the solar nd why they do this.	arrays move. Take a picture.	
Observations: 6) What do the arra	ays attach to in order to mo	ove? Get the specific name.	
7) How do arrays g Higher Order Ques	et their power to the "grid.'	" Take a picture there.	
	do the AVSP take to lesse nore could they do?	en soil erosion when high winds ar	е

9) How long does the average photovoltaic cell last? Why can't they last much longer than that?
10) Ask why the company has half of its facility in Los Angeles county and the other half in Kern county. What benefit is there to this?
When You Return 11) What was the most interesting part of the field trip for you personally?
12) What did you learn about the environmental benefit of solar power?