Additional Problems for Dimensional Analysis Mr. Traeger

Geology 1P		Mr. Traeger
Name:	Period:	Date:
Work the following problems using dimensional analysis/factor label method. Use the conversion tables given on your <u>metric mayhem</u> worksheet. You absolutely must show your work! Feel free to express your answers in scientific notation. You will need to!		
1. Youqe going 44 meters/second. H	low fast are you going in mi	iles/hour?
How many liters are there in a bott	tle that holds 120 curses o	f mills?
How many liters are there in a bott	tie that holds 126 ounces o	i illik?
3. How many seconds are in one year	ar?	
4. If there are approximately 6 trillion	(6 x10 ¹²) miles in one light	year, how far away is a star that is
430 light years? Express your ans	wer in kilometers.	year, new rar away is a star that is

5. The Earth (here in La Cañada) rotates at a rate of about 1,000 miles/hour. How fast is this in

micrometers/second?