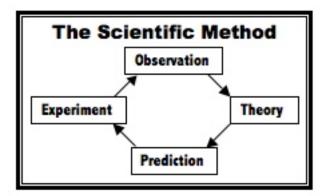
What is Physics?

Problem Set (due next time) Ch I - 7,11,15,17

Lecture Outline

- I. The Goal of Physics
- 2. The Scientific Method
 - a. Observation
 - b.Theory
 - c. Prediction
 - d. Experiment



Metric Prefix Pop Quiz!

prefix	name	power
		10-6
	milli	
С	centi	10-2
		103
М		
		109

Example 1: Convert 100 miles to kilometers.

Work in pairs.

- Take the last three digits of your student ID number and put a decimal point after the last digit.
- 2. Multiply your number by your partner's.
- 3. Round the result off to six significant figures, then five, four, three, two, and finally one.

Work in pairs.

- I. Take the last two digits of your student ID number and multiply by the last four digits of your partner's.
- 2. Round the result off to the correct number of significant figures.

Work in pairs.

- I. Take the last two digits of your student ID number and add it to the last four digits of your partner's student ID number.
- 2. Round off to the correct number of significant figures.

Lecture 01 - Summary

Physics seeks to understand what the universe is made of and how the parts interact.

Scientific Method

- I. Metric Prefixes
- 2. Converting Units
- 3. Significant Figures

Focus on laws and reasoning not formulas.