

HOMework #1

Name: _____

Date: _____ Period: _____

Physics and Units of Measure

REVIEW QUESTIONS – check concepts

1. What is the meaning of the Latin word from which we get the word *science*? (PHYZR #1-1)
2. What is the meaning of the Latin word from which we get the word *physics*? (PHYZR #1-4)
3. What is a physical quantity? (PHYZR #2-1)
4. What is a unit of measure? (PHYZR #2-1)
5. What happened to the Mars Climate Orbiter when it reached Mars? (PHYZR #2-5)
6. How could the Mars Climate Orbiter accident have been prevented? (PHYZR #2-5)
7. Why was the International System of Units (the metric system) invented? (Page#3-1)
8. What are the only countries in the world that don't use the metric system? (PHYZR #2-6)

POWERS OF TEN (Page #3-III)

9. Write each number as an exponent of base ten.
ex. 100 10²
a. 1,000 _____
b. 0.001 _____
c. 0.1 _____
d. 100,000 _____
e. 0.00001 _____
10. Write out each power of ten as a number.
ex. 10² 100
a. 10³ _____
b. 10⁻² _____
c. 10⁴ _____
d. 10⁶ _____
e. 10⁻⁴ _____
11. Write the metric prefix name for each power of ten.
ex. 10⁹ giga
a. 10⁶ _____
b. 10³ _____
c. 10⁻³ _____
d. 10⁻⁶ _____
e. 10⁻⁹ _____

