

## Quiz - Chapters 1&2

*Section I. Fill in the blank (1 point per blank)*

1. In SI units the prefix that means  $10^{-6}$  is \_\_\_\_\_ and it is abbreviated \_\_\_\_\_.
2. The number 2.5060 has \_\_\_\_\_ significant figures.
3. Express 2,305,713 in scientific notation **with 3 significant figures** \_\_\_\_\_.
4. Heating cheese until it melts on top of your pizza is an example of \_\_\_\_\_ change (Physical, chemical, or nuclear )

**Circle the correct answer**

5. A \_\_\_\_\_ is a substance with a constant composition.
6. A homogeneous mixture is called a \_\_\_\_\_.
7. The symbol for sodium is \_\_\_\_\_.
8. The halogen with the highest molecular weight is \_\_\_\_\_.
9. An atom of  $Mg^{2+}$  contains \_\_\_\_\_ protons.
10. An atom of  $Mg^{2+}$  contains \_\_\_\_\_ electrons.
11. An atom of  $Mg^{2+}$  contains \_\_\_\_\_ neutrons.
12. Name an example of an **Alkali Metal** \_\_\_\_\_.
13. C is in the \_\_\_\_\_ period of the periodic table.
14. S is the symbol for the element \_\_\_\_\_.

*Section II. Perform the following conversions*

1. (2 points) 425 cubic inches to  $cm^3$

2. (3 points) 65 mph to kilometers/sec