Exam One (Chapter 1 only practice)	Print your name:
CHM 203 (Dr. Mattson)	Signatura
20 September 2012	Signature:

1. (5 pts) Convert 1.7 x 10 ⁻³ m ³ to liters.	5. (5 pts) The wheels on train box cars require 3.0 pounds of grease per wheel per month. Assuming
	each boxcar has 8 wheels, how many kilograms of grease should be ordered from a supplier per year? [SF]
2. (5 pts) Convert 280.0 microliters to mL. [SF]	
2. (3 pts) Convert 200.0 microliters to me. [3F]	
	6. (5 pts) A steel marble has a diameter of 1.74 cm and mass of 21 g. What is the density of the marble? [SF] [Given: V = 4/3 πr ³]
3. (5 pts) Which is smaller: 1.0 x 10 ²⁰ pm or 1.0 x 10 ⁶ m?	
	7. (5 pts) Convert 83 °F to the kelvin scale.
 4. (5 pts) The normal dose for digitalis, a drug that controls atrial fibrillation, is 20 μg/kg body weight. What is the correct dose of digitalis, in mg, for a 200 pound patient? [Given: 454 g = 1 pound] 	
200 pound patient: [Oiven: 404 g = 1 pound]	

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alkali metal	A. phosphorus
alkaline earth	B. lithium
transition metal	C. iron
Group 3	D. xenon
Group 4	E. sulfur
Group 5	F. chlorine
Group 6	G. calcium
halogen	H. silicon
noble gas	I. aluminum

9. (10 points) Complete the table below

Element	Atomic symbol
chlorine	
	Si
gold	
zinc	
	F
	Mg
	Kr
beryllium	
boron	
	As

10. (5 pts) Which of the following are examples of extensive properties? (More than one correct answer.)

- A. mass
- B. color
- C. melting point
- D. volume
- E. hardness

Note: This practice test over only Chapter 1 is about twice as long as the questions I will ask you over this chapter. I anticipate asking 22 - 25 points worth of questions over Chapter 1 out of 80 points total. Chapter 2 will consist of about 22 - 25 points and Chapter 3 will be about 30 - 35 points.

The purpose of this practice test to help you see how you will do and how I will grade your work. The actual questions on the September 21 exam will NOT be based on these questions, so do not use this as a specific practice exam. The actual exam will be based on lecture notes, folder activities, homework problems and classroom demonstrations.

Completing this practice exam is optional. Turn it in and I will grade it as if it were a real exam.

Your score out of 60 possible (I will complete this):

Your percentage: = 100 * above score/60

Determine your grade:

 $A+ \ge 95$; $A \ge 90$; $B+ \ge 85$; $B \ge 80$; $C+ \ge 75$; $C \ge 70$; $D \ge 60$