**Quiz 2A**

# Directions: Answer each of the following questions. Be sure to use complete sentences where appropriate. For full credit be sure to show all of your work. Where appropriate answers should be boxed for clarity, written to the correct number of significant figures, and, include the proper units.

1. The temperature of the lab room is measured to be 19.1 °C (6 points).
   1. What is the temperature in Fahrenheit?
   2. What is the temperature in Kelvin?
2. Identify each as an intensive or extensive property of matter (3 points):
   1. mass \_\_\_\_\_\_extensive property\_\_\_
   2. volume \_\_\_\_\_\_extensive property\_\_\_
   3. density \_\_\_\_\_\_intensive property\_\_\_
3. The average birth weight of a baby in the United States of America is 7.5 lbs. What is it in kilograms (5 points)?

Or

1. Classify each phrase as describing a solid, liquid, or gas (4 points).
   1. Definite volume, no definite shape. \_\_\_\_\_liquid\_\_\_
   2. Particles may be far apart and move randomly. \_\_\_\_\_gas\_\_\_\_\_
   3. No definite volume, no definite shape. \_\_\_\_\_gas\_\_\_\_\_
   4. Low energy, high density \_\_\_\_\_solid\_\_\_\_\_