

Name: _____

Instructions: Answer each of the following questions to the best of your ability. Use the proper number of significant figures and units wherever appropriate. You will have 10 minutes to complete this quiz.

1. (4 pts) A block with a mass of 750.0g has dimensions of 35.00mm x 0.0105m x 2.00cm. What is the density of this block?
2. (3 pts) Give an example of each of the following, and briefly describe the reason behind your answer.
 - a. A solid element.
 - b. A gaseous pure substance.
 - c. A liquid homogeneous mixture.
3. (3 pts) Silver has a density of 10.49 g/cm³. What volume would 1500mg of silver occupy (in mL)?