

Name _____

Instructions: Answer each of the following questions to the best of your ability. You will have 10 minutes to complete the quiz. Use the proper number of significant figures in each answer.

1. (6 points) Perform the following conversions:
 - a. 2.34×10^5 Mg to cg

 - b. 4.451 cm^3 to μm^3

 - c. 1.50×10^9 nanometers to kilometers

2. (3 points) Give an example of each of the following prompts. Be sure to briefly describe the reason for your choice.
 - a. A solid pure substance:

 - b. A liquid heterogeneous mixture:

 - c. A physical change that starts as a solid:

3. (1 point) Which element has one proton, one neutron, and two electrons. Write its symbol showing the atomic symbol, atomic number, mass number, and charge.