

Name: \_\_\_\_\_

Instructions: Answer each of the questions below to the best of your ability. Use the proper number of significant figures and units wherever appropriate. You will have ten minutes to complete this quiz. A periodic table is available on the back.

1. (3 pts). A piece of copper has a density of 8.96g/mL. What mass of copper (in kg) would need to be added to 50.00mL of water in order to raise the water level up to 75.56mL?

2. (3 pts). Give examples of the following, and short explanation of your reason for the answer.

- a. A solid homogeneous mixture.

- b. A gaseous pure substance.

- c. A liquid heterogeneous mixture.

3. (4 pts). Complete the table below.

Symbol	Protons	Neutrons	Electrons	Charge	Mass
Sr		50		+2	
	35		36		81
Co				+3	59
	1	1	1		