

Name: _____

Period: _____ Subject: _____

Date: _____

The Mole 2: Avogadro's Revenge!

Be sure to use the correct number of significant figures, and express your answers in scientific notation when appropriate.

1. How many grams of sodium chloride are there in 3.00 mol of sodium chloride?
2. What is the mass of 7.50 mol of water?
3. How many moles of sulfuric acid would be in a 25.0 g sample of sulfuric acid?
4. How many moles of calcium phosphate would have a mass of 450. g?
5. If 2.70 mol of a substance has a mass of 182.5 g, what is the molecular weight of that substance?