

Mole, molecule, atom, molarity and volume problems worksheet 2

1. How many moles are in 25.0 g of KCl?
2. How many molecules are in 5.00 g of NaCl?
3. How many hydrogen atoms are in 250 g of H₂O?
4. How many moles of NaCl are in 950 mL of a 4.1 M solution?
5. What volume of a 1.5 M solution of H₂O contains 3.0 g of solute?
6. Calculate the molarity of a solution by dissolving 15 g of KOH in enough water to make 3.75 L of solution.
7. There are 650 g / 420 mL of H₂O. What is the molar concentration?
8. How many grams of NaCl are in 450 ml of a 1.75 M solution?
9. Which of the following solutions has the highest concentration in g/L?
A- 5.5 mol in a 3.0 L of KBr
B- 5.5 mol in a 3.0 L of NaOH