

MOLARITY EXTRA PRACTICE WORKSHEET

1. What is the molarity of 2.0 L of solution made from 2.4 moles of NaCl and water?
2. What is the molarity of 500. mL of solution made from 0.70 moles of LiCl and water?
3. What is the molarity of 100. mL of solution made from 0.45 g of NaOH and water?
4. How many moles of NaCl are found in 2.2 L of a 0.300 M solution?
5. How many moles of C₂H₅OH are found in 50. mL of a 0.150 M solution?
6. What volume of a 1.40 M solution of H₂SO₄ contains 0.400 moles of H₂SO₄?
7. How many moles of sugar are needed to make 60. mL of a 0.25 M solution?
8. What mass of CH₃OH is needed to prepare 1.50 L of a 3.00 M solution?
9. What mass of K₃PO₄ is needed to make 4.00 L of a 1.50 M solution?
10. What volume of a 0.750 M solution can be made from 90.0 g of NH₄Cl?

Answers: 1) 1.2 M 2) 1.4 M 3) 0.11 M 4) 0.66 mol 5) 0.0075 mol 6) 0.286 L 7) 0.015 mol 8) 144 g 9) 1270

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