

Chem 1020 Molarity worksheet, version 2

1. What is the molarity of a solution that contains 5.83 g LiCl in 1.50 L solution?
2. What is the volume of a 0.300 M CuSO₄ solution that contains 12.4 g CuSO₄?
3. What mass of solid KBr would be needed to prepare 750.0 mL of 1.75 M KBr solution? How specifically would this solution be prepared?
4. What is the % by mass of 28.3 g of solution which contains 3.56 g NaCl?
5. What volume of methanol is required to prepare 2.0 L of a 15.0% by volume solution?
6. What volume of 12.0 M HCl is required to make 500.0 mL of 0.400 M HCl? How specifically would this solution be prepared?
7. If 17.0 mL of 16.0 M H₂SO₄ solution is diluted to 100.0 mL, what is the diluted concentration?