

Molarity Calculations

Calculate the molarities of the following solutions:

1) 2.3 moles of sodium chloride in 0.45 liters of solution.

2) 1.2 moles of calcium carbonate in 1.22 liters of solution.

3) 0.09 moles of sodium sulfate in 12 mL of solution.

4) How many grams of HCl are needed to make 2 L of 6 M HCl? (molar mass = 36.46 g)

5) How many grams of NaOH are needed to make 1.5 L of 2 M NaOH? (molar mass = 40.00 g)

6) How many liters of 4 M solution can be made using 100 grams of lithium bromide?
molar mass = 86.85 g

7) How many liters of 0.88 M solution can be made with 25.5 grams of lithium fluoride?
molar mass = 25.94 g