

Molarity Practice Worksheet

Find the molarity of the following solutions:

- 1) 0.5 moles of sodium chloride is dissolved to make 0.05 liters of solution.

- 2) 0.5 grams of sodium chloride is dissolved to make 0.05 liters of solution.

- 3) 0.5 grams of sodium chloride is dissolved to make 0.05 mL of solution.

- 4) 734 grams of lithium sulfate are dissolved to make 2500 mL of solution.

- 5) 6.7×10^{-2} grams of $\text{Pb}(\text{C}_2\text{H}_3\text{O}_2)_4$ are dissolved to make 3.5 mL of solution.

- 6) I have two solutions. In the first solution, 1.0 moles of sodium chloride is dissolved to make 1.0 liters of solution. In the second one, 1.0 moles of sodium chloride is added to 1.0 liters of water. Is the molarity of each solution the same? Explain your answer.

Molarity Practice Unit Lesson Key

David Halliday, Robert Resnick, Jearl Walker

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Chemistry: The Central Science Theodore L. Brown, H. Eugene LeMay Jr., Bruce E. Bursten, Catherine Murphy, Patrick Woodward, Steven Langford, Dalius Sagatys, Adrian George, 2013-10-04 If you think you know the Brown LeMay Bursten Chemistry text think again In response to market request we have created the third Australian edition of the US bestseller Chemistry The Central Science An extensive revision has taken this text to new heights Triple checked for scientific accuracy and consistency this edition is a more seamless and cohesive product yet retains the clarity innovative pedagogy functional problem solving and visuals of the previous version All artwork and images are now consistent in quality across the entire text And with a more traditional and logical organisation of the Organic Chemistry content this comprehensive text is the source of all the information and practice problems students are likely to need for conceptual understanding development of problem solving skills reference and test preparation

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