## **Molarity Practice Worksheet**

Find the molarity of the following solutions:

1) 0.50 moles of sodium chloride is dissolved to make 0.75 liters of solution.

0.50 grams of sodium chloride is dissolved to make 0.075 liters of solution.

$$(0.509 \text{ AaCe}) \left(\frac{\text{IndNaCl}}{\text{SE,SgNaCl}}\right) = 0.0086 \text{Md} \frac{0.0086 \text{md}}{0.075 \text{ L}} = 0.115 \text{ M}$$

0.50 grams of sodium chloride is dissolved to make 0.075 mL of solution.

734 grams of lithium sulfate are dissolved to make 875 mL of solution.

6.7 x 10<sup>-2</sup> grams of Pb(C<sub>2</sub>H<sub>3</sub>O<sub>2</sub>)<sub>4</sub> are dissolved to make 3.5 mL of solution.

I have two solutions. In the first solution, 1.0 moles of sodium chloride is 6) 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.

## **Concentration Worksheet**

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