Warm Up (Use Whiteboards)

Determine the molar concentration of a solution in which 68.0g of NaCl is dissolved in 800. mL of water.

C=?
$$68.09 \text{ NoCl} \times \underline{\text{mol NaCl}} = 1.16 \text{ mol}$$

$$M=68.09$$

$$NoCl$$

$$V=800.\text{ml}$$

$$N=1.16 \text{ mol}$$

$$C=\frac{1}{2}$$

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What is the new concentration of a solution if 150. mL of water is used to dilute 325 mL of a 0.450M solution?

Homework - Dilutions Worksheet

Worksheet