Chemistry 115 Name

Dr. Cary Willard

Quiz 9a (20 points) November 26, 2013

All work must be shown to receive credit.

1. (4 points) A solution is composed of 83.4 grams of ethanol and 54.9 grams of benzene. Identify the solvent and the solute..
2. (4 points) If a solution is made by combining 38.7 grams of glucose, 96.7 grams of fructose and 455 grams of water, what is the percent concentration of fructose?
3. (4 points) How many mL of a 1.747 M solution of silver nitrate, AgNO3, can be made from 74.83 g of silver nitrate?
4. (4 points) If 35.00 mL of a 2.771 M solution of iron(II) sulfate, FeSO4, is diluted to 175.0 mL, calculate the concentration of the resulting solution?
5. (4 points) A person preparing a fish tank used preboiled (and then cooled) water to fill it. When the fish is put into the tank, it dies. Explain.

Chemistry 115 Name

Dr. Cary Willard

Quiz 9b (20 points) November 26, 2013

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1. (4 points) A solution is composed of 27.6 grams of ethanol and 44.2 grams of benzene. Identify the solvent and the solute..
2. (4 points) If a solution is made by combining 38.7 grams of glucose, 96.7 grams of fructose and 455 grams of water, what is the percent concentration of glucose?
3. (4 points) How many mL of a 1.747 M solution of silver nitrate, AgNO3, can be made from 36.27 g of silver nitrate?
4. (4 points) If 55.00 mL of a 2.771 M solution of iron(II) sulfate, FeSO4, is diluted to 175.0 mL, calculate the concentration of the resulting solution?
5. (4 points) A person preparing a fish tank used preboiled (and then cooled) water to fill it. When the fish is put into the tank, it dies. Explain.