 1) How many total moles of KNO <sub>3</sub> must be dissolved in water to make 1.5 liters of a 2.0 M solution?			
1) 0.50 mol	2) 2.0 mol	3) 3.0 mol	4) 1.3 mol
 2) What is the conce milliliters of this s	ntration of an aqueo solution?	ous solution that con	ntains 1.5 moles of NaCl in 500
1) 0.30 M	2) 0.75 M	3) 3.0 M	4) 7.5 M
 3) What is the molarity of 1.5 liters of an aqueous solution that contains 52 grams of lithium fluoride, LiF, (gram-formula mass = 26 grams/mole)?			
1) 1.3 M	2) 2.0 M	3) 3.0 M	4) 0.75 M
4) What is the total number of grams of HI in 0.500 liter of 1.00 M HI?			
1) 1.00 g	2) 0.500 g	3) 64.0 g	4) 128 g
 <ul> <li>5) What is the concentration expressed in parts per million of a solution containing 5.0 grams of NH<sub>4</sub>Cl in 95.0 grams of H<sub>2</sub>O?</li> </ul>			
1) $5.0 \times 10^4$ ppm	2) $2.0 \times 10^7$ ppm	3) $5.3 \times 10^4$ ppm	4) $1.9 \times 10^7 \text{ ppm}$
6) What is the percent	nt by mass of NaBr	if 23.5 grams are a	re dissolved in 250. grams of water?
1) 9.4%	2) 10.6%	3) 8.6%	4) 13.%
 7) A 2400gram sample of an aqueous solution contains 0.012 gram of NH <sub>3</sub> . What is the concentration of NH <sub>3</sub> in the solution, expressed as parts per million?			
1) 5.0 ppm	2) 15 ppm	3) 20. ppm	4) 50. ppm
 8) What is the total mass of solute in 1000. grams of a solution having a concentration of 5 parts per million?			
1) 0.005 g	2) 0.05g	3) 0.5 g	4) 5g
 9) How many grams of C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> are needed to be dissolved in water to make 100. grams of a 250. ppm solution?			
1) $4.00 \times 10^5 \text{ g}$	2) $2.50 \times 10^4$ g	3) $4.00 \times 10^{-1}$ g	4) $2.50 \times 10^{-2}$ g
 10) Which solution i	s the most concentration	ated?	
<ol> <li>1) 1 mole of solute dissolved in 1 liter of solution</li> <li>2) 2 moles of solute dissolved in 3 liters of solution</li> </ol>			

- 3) 6 moles of solute dissolved in 4 liters of solution
- 4) 4 moles of solute dissolved in 8 liters of solution