1.	The molarity of an aque defined as the	eous solution of NaCl is	9. How many moles of solute are contained in 200 milliliters of a 1 M solution?		
2.	A) grams of NaCl per liter of water B) grams of NaCl per liter of solution C) moles of NaCl per liter of water D) moles of NaCl per liter of solution 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)? A) 1.3 M B) 2.0 M		A) 1 B) 0.2 C) 0.8 D) 200  10. What is the molarity of a solution that contains 0.50 mole of NaOH in 0.50 liter of solution?  A) 1.0 M B) 2.0 M C) 0.25 M D) 0.50 M  11. Which preparation produces a 2.0 M solution of C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> ? [molecular mass = 180.0]		
	C) 3.0 M	D) 0.75 M	A) 90.0 g of C solution	C6H12O6 dissolved in 500.0 mL of	•
3.	<ul> <li>Which phrase describes the molarity of a solution?</li> <li>A) liters of solute per mole of solution</li> <li>B) liters of solution per mole of solution</li> <li>C) moles of solute per liter of solution</li> <li>D) moles of solution per liter of solution</li> </ul>		<ul> <li>B) 90.0 g of C<sub>6</sub>H<sub>12</sub>O<sub>6</sub> dissolved in 1000. mL of solution</li> <li>C) 180.0 g of C<sub>6</sub>H<sub>12</sub>O<sub>6</sub> dissolved in 500.0 mL of solution</li> <li>D) 180.0 g of C<sub>6</sub>H<sub>12</sub>O<sub>6</sub> dissolved in 1000. mL of</li> </ul>		
4.	Which unit can be used to express solution concentration?		solution  12. What is the molarity of a solution containing 20 grams of NaOH in 500 milliliters of solution?		
C) 5. Ho	A) J/mol C) mol/L	B) L/mol D) mol/s	A) 1 M C) 0.04 M	B) 2 M D) 0.5 M	
	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?		13. What is the total number of moles of solute in 2.0 liters of 3.0 M NaOH?		
	A) 0.50 mol C) 3.0 mol	B) 2.0 mol D) 1.3 mol	A) 1.0 mole C) 3.0 moles	B) 2.0 moles D) 6.0 moles	
6.	A 3.0 M HCl(aq) solution contains a total of  A) 3.0 grams of HCl per liter of water  B) 3.0 grams of HCl per mole of solution  C) 3.0 moles of HCl per liter of solution  D) 3.0 moles of HCl per mole of water		14. What is the total number of moles of solute in 250 milliliters of a 1.0 M solution of NaCl?		
			A) 1.0 mole C) 0.50 mole	<ul><li>B) 0.25 mole</li><li>D) 42 moles</li></ul>	
7.	What is the total number of moles of NaCl(s) needed to make 3.0 liters of a 2.0 M NaCl solution?		15. What is the total number of grams of HI in 0.500 liter of 1.00 M HI?		
	A) 6.0 mol C) 1.0 mol	B) 8.0 mol D) 0.70 mol	A) 1.00 g C) 64.0 g	B) 0.500 g D) 128 g	
8.	What is the molarity of of the solution contains	a solution of NaOH if 2 liters 4 moles of NaOH?	16. How many grams of KOH are needed to prepare 250. milliliters of a 2.00 M solution of KOH (formula mass = 56.0)?		
	A) 0.5 M C) 8 M	B) 2 M D) 80 M	A) 1.00 g C) 28.0 g	B) 2.00 g D) 112 g	

	of a 2.0 M solution of H <sub>2</sub> SO <sub>4</sub> ?	19. How many moles of solute would 3 liters of a 2-molar solution contain?			
A) 2.5 B) 5.0	C) 10. D) 20.	A) 1 B) 2	C) 3 D) 6		
	8. How many moles of KNO <sub>3</sub> are required to make 0.50 liter of a 2.0 M solution of KNO <sub>3</sub> ?		20. What is the concentration of a solution which contains 1 mole of CaCl <sub>2</sub> dissolved in 2,000 milliliters of solution?		
A) 1.0 B) 2.0	C) 0.50 D) 4.0				
		A) 1 M C) 0.5 M	B) 2 M D) 0.25 M		