## Practice Test (H) Chapter 12

Name:		
Date:	Р	er:

IR.	ECTIONS: Answer the following in the space provided.
	What is the definition of molality?
	What ratio describes molarity?
	Why is molarity temperature dependent?
	Describe the two steps of solution formation. 1
	2
	Define solubility. List three things that affect solubility.
	1 2 3
	Describe the 'like dissolves like' rule.
	List four things that affect rate of solution.
	1 2
	3 4
	Describe unsaturated, saturated and supersaturated solutions.
	1
	2
	3
•	How is percentage by mass (or volume) calculated?

12. Calculate the percentage by volume of 25.0 mL HCl in 130. mL water. (16.1%)

Practice Test (H) Chapter 12	Name: Date:	Per:
13. Calculate the mole fraction of 2.00 moles of KOH in 7.00 moles of	of water. (0.222)	

14. Calculate the number of moles of solute necessary to make 30.0 L of a 2.5 M solution. (75 mol)

- 15. Calculate the molarity of 2.5 moles solute in 3000. mL of solution. (0.833M)
- 16. Calculate the molality of 50.0 g of NaOH in 750. g of water. (1.67 m)

17. 560 mL of water is added to 340 mL of a 0.50 M NaBr solution, what will the new concentration be? (0.19 M)

18. What mass of Na<sub>2</sub>CrO<sub>4</sub> is required to react completely with 75.0 mL of a 0.100 M solution of AgNO<sub>3</sub>? (0.607 g)





