Name:	Date:
Period·	

Reference Tables Scavenger Hunt

Directions: Using the Reference Tables for Chemistry, locate the following information.

- 1. Name C₅H_{12.}
- 2. Write the equation for the decay of Kr-85.
- 3. Explain how you know that NaPO₄ is soluble in water but NiCrO₄ is not.
- 4. What is the definition of STP, and give the values?
- 5. Name, and give the formulas of the strongest and weakest bases.
- 6. Name C₂H₃O⁻₂ or CH₃COO⁻
- 7. What is the solubility of sulfur dioxide at 40 degrees Celsius, in grams?
- 8. What is the freezing point of fluorine?
- 9. What are the units for the heat of fusion, and what do they mean?
- 10. What is the symbol for the mole?
- 11. What is the vapor pressure of water at 75° C?
- 12. How much heat does it take to convert 20g of water to steam at 100° C?
- 13. What is the prefix for 1/1000 of a meter?
- 14. What is the molecular formula of ammonia?
- 15. What is the formula for the permanganate ion?
- 16. Name CH₃COOH
- 17. Write the symbol for a positron?
- 18. What is the half-life of Pu-239?
- 19. Is the formation of water, from its elements endothermic or exothermic?
- 20. What is the atomic mass of silver?
- 21. How much heat is released when LiBr dissolves in water?
- 22. Give the names and formulas of the strongest and weakest acids.
- 23. What is the general formula for alkynes? What does it mean?
- 24. What is the electronegativity of chlorine?

Name: Period:			Da	te:		
	. What is the decay mode of Au-198?					
26.	. What is the ionization energy of Rb?					
27.	Which atom is more likely to lose electrons, Al or Zn?					
28.	What is the atomic number of Te?					
29.	. What is the atomic radius of Bromine?					
30.). What is the oxidation state of sulfur?					
31.	1. Which indicator would be the best to use to identify a strong base?					
32.	2. Write the electron configuration of potassium.					
33.	3. At what temperature will water boil, when the atmospheric pressure is 55 kPa?					
34.	4. What is the trend of atomic radii across period 3?					
35.	5. Will Mn produce colored ions in solution? Why or why not?					
36.	5. Will Sn ⁴⁺ gain or lose electrons when it reacts with Cu?					
37.	7. What is the heat of vaporization of water?					
38.	8. Will Al react with HCl to produce hydrogen gas?					
39.	9. What is the density of tin?					
40. In the molecule CCl ₄ , what is the EN difference of the C-Cl bond? Is the bond polar or						
	nonpolar?	Why?	Is the molecule polar or nonpolar? W	Thy?		
	_		wing problems: of solute for a solution containing 25g of	sodium chloride in 200g of		
42.	_		ne mass of an object is 10.3g and a students percent error?	found that the mass was		
43.			alorimeter containing 50g of water, and the containing 50g of wate			