Name	:	ID: B
	21.	How many oxygen atoms are present in 6 molecules of Ce(NO ₃) ₃ ? a. 3 b. 9 c. 18 d. 54
	22.	Which of the following substances is an example of a strong electrolyte? a. sucrose b. table salt c. asphalt d. corn starch
	23.	If the solubility of NaCl in water is 35.7g NaCl / 100. g H ₂ O, what is the minimal volume of water needed to dissolve 425 grams of the salt? a. 1190 mL b. 840 mL c. 152 mL d. 661 mL
	24.	If: $4 \text{ C}(s) + \text{S}_8(s) \rightarrow 4 \text{ CS}_2(\ell)$, how many moles of S_8 are required for the formation of 6.75 moles of CS_2 ? a. 15.0 mol b. 13.5 mol c. 1.69 mol d. 2.00 mol
	25.	An unknown hydrocarbon is subjected to elemental analysis. The results of this test show that the compound is 82.66% carbon and 17.34% H. With a molar mass of 58.1 g/mole, the molecular formula of this compound is:
	26.	The Group II metals (Be, Mg, Ca, Sr, and Ba) are commonly referred to as the: a. alkali metals b. alkaline earth metals c. halogen metals d. lanthanide metals
	27.	The titration of 25.00 mL of 6.221 M HCl(aq) required 38.84 mL of NaOH(aq) for neutralization. What is the molarity of the NaOH? a: 4 M b. 16.21 M c. 4.004 M d. 9.665 M
	28.	The correct molecular formula of dinitrogen pentoxide is: a. N_2O_5 b. $(NO_5)_2$ c. $2NO_5$ d. N_2P_5O