Chapter 4: Reactions in Aqueous Solutions

1.)	Which of the fo	llowing comp	oounds is a st	trong electrol	yte?	
	A.) H ₂ O	B.) CH₃OH	C.) CH ₃ CH ₂	OH D.) H	F	E.) NaF
2.) Which of the following compounds is a weak electrolyte?						
	A.) HNO ₃	B.) NaNO ₃	C.) HNO ₂	D.) NaNO ₂	E.) Na	ОН
3.) Which of the following compounds is a nonelectrolyte?						
	A.) NaF	B.) HNO ₃	C.) CH ₃ COC	OH (acetic ac	id)	D.) C ₆ H ₁₂ O ₆
4.) The distinguishing characteristic of all electrolyte solutions is that they						
	A.) Contain molecules B.) Conduct electricity C.) React with other					
	solutions	D.) Always o	ontain acids	E.) C	onduct	heat
5.)	5.) What is the correct formula of the salt formed in the neutralization reaction o					
hydrochloric acid with calcium hydroxide?						
	A.) CaO	B.) CACl ₂	C.) CaH ₂	D.) CaCl	E.) Ca	ClH
6.)	6.) What is the chemical formula of the salt produced by the neutralization of					
hydrobromic acid with magnesium hydroxide?						
	A.) MgBr	B.) Mg ₂ Br ₃	C.) Mg ₃ Br ₂	D.) Mg ₂ Br	E.) Mg	Br ₂
7.) Identify the major ionic species present in an aqueous solution of Na_2CO_3						
	A.) Na ₂ ⁺ , CO ₃ ²⁻ B.) Na ₂ ⁺ , C ²⁻ , O ₃ C.) Na ⁺ , C ⁴⁺ , O ₃ ²⁻ D.) Na ⁺ , CO ₃ ²⁻					