2005 CLEARVIEW, OHIO, INVITATIONAL			RESPONSE SHEET		
SCHOOL N	NAME		TEAM NUMBER		
PARTICIP	ANT NAN	1ES:	&		
PART I: M	ULTIPLE	CHOICE QU	UESTIONS:		
1	5	9	13	17	
2	6	10	14	18	
3	7	11	15	19	
4	8	12	16	20	
PART II: L	AB SIMU	LATION #1:	COPPER R	ECYCLING!	
Q 1					
Q 2					
Q 3.					
Q 4.					
Q 5.					
Q 3.					
0.6					
Q 6.					
0.7					
Q 7:					
Q 8:					

Q 9:				
Q.10:				
Q.11:				
Q. 12:				
<i>PART III:</i> MOLEO	CULAR MODE	L PROBLEM	#1	
1. DRAW YOUR M	OLECULE HE	RE>		
2	5			
3	6			
4	7			
PART IV: MOLEO Consider the fulmin 1. Draw the Lewis I	ate ion, CNO	(listed in orde	r they are bone	
2. Give the hybridiz	ation of the cent	tral atom (N)		
PART V: OXIDAT	ION NUMBER	RS:		
1 2.		3	4	_ 5

PART VI: CHEMICAL CELLS

operates.

2.	What is the oxidizing agent?
3.	What is the reducing agent?
4.	What metal acts as the cathode?
5.	What additional component is necessary to make the cell operate?
6.	What is the cell voltage produced?
7.	(multiple choice answer)
P A	ART VII: FUEL CELLS
1.	2 3 4

1. Write a balanced net ionic equation for the spontaneous reaction that occurs as the cell