

Environmental and Natural Resources Form #712-1

Team Name

This sheet is for demonstration and practice only.
You must use a real scan sheet for actual competition.

Incorrect Marks Correct Mark



Team #	Last Name	First Name
0 0 0 0	A A A A A A A A A A A A	A A A A A A A A A A
1 1 1 1	B B B B B B B B B B B B	B B B B B B B B B B
2 2 2 2	C C C C C C C C C C C C	C C C C C C C C C C
3 3 3 3	D D D D D D D D D D D D	D D D D D D D D D D
4 4 4 4	E E E E E E E E E E E E	E E E E E E E E E E
5 5 5 5	F F F F F F F F F F F F	F F F F F F F F F F
6 6 6 6	G G G G G G G G G G G G	G G G G G G G G G G
7 7 7 7	H H H H H H H H H H H H	H H H H H H H H H H
8 8 8 8	I I I I I I I I I I I I	I I I I I I I I I I
9 9 9 9	J J J J J J J J J J J J	J J J J J J J J J J
	K K K K K K K K K K K K	K K K K K K K K K K
	L L L L L L L L L L L L	L L L L L L L L L L
	M M M M M M M M M M M M	M M M M M M M M M M
	N N N N N N N N N N N N	N N N N N N N N N N
	O O O O O O O O O O O O	O O O O O O O O O O
	P P P P P P P P P P P P	P P P P P P P P P P
	Q Q Q Q Q Q Q Q Q Q Q Q	Q Q Q Q Q Q Q Q Q Q
	R R R R R R R R R R R R	R R R R R R R R R R
	S S S S S S S S S S S S	S S S S S S S S S S
	T T T T T T T T T T T T	T T T T T T T T T T
	U U U U U U U U U U U U	U U U U U U U U U U
	V V V V V V V V V V V V	V V V V V V V V V V
	W W W W W W W W W W W W	W W W W W W W W W W
	X X X X X X X X X X X X	X X X X X X X X X X
	Y Y Y Y Y Y Y Y Y Y Y Y	Y Y Y Y Y Y Y Y Y Y
	Z Z Z Z Z Z Z Z Z Z Z Z	Z Z Z Z Z Z Z Z Z Z

Code

0 0
1 1
2 2
3 3
4 4
5 5
6 6
7 7
8 8
9 9

Water Sample #	Water Quality		
	pH test	Temp test (deg. C)	test
	1	2	3
1	0 0 0	0 0 0	0 0
2	1 1 1	1 1 1	1 1
3	2 2 2	2 2 2	2 2
4	3 3 3	3 3 3	3 3
5	4 4 4	4 4 4	4 4
6	5 5 5	5 5 5	5 5
7	6 6 6	6 6 6	6 6
8	7 7 7	7 7 7	7 7
9	8 8 8	8 8 8	8 8
	9 9 9	9 9 9	9 9

Limiting Factors	test	test	test
1 (A B C D E)			
2 (A B C D E)			
3 (A B C D E)			
4 (A B C D E)	4	5	6
5 (A B C D E)	0 0	0 0	0 0
6 (A B C D E)	1 1	1 1	1 1
7 (A B C D E)	2 2	2 2	2 2
8 (A B C D E)	3 3	3 3	3 3
9 (A B C D E)	4 4	4 4	4 4
10 (A B C D E)	5 5	5 5	5 5
11 (A B C D E)	6 6	6 6	6 6
12 (A B C D E)	7 7	7 7	7 7
13 (A B C D E)	8 8	8 8	8 8
14 (A B C D E)	9 9	9 9	9 9
15 (A B C D E)			

GPS Test #	1 - Multiple Choice	GPS	
	1 (A B C D E)	2 - LATITUDE	2 - LONGITUDE
1	2 (A B C D E)		
2	3 (A B C D E)	0 0 0 0 0 0 0	0 0 0 0 0 0 0
3	4 (A B C D E)	1 1 1 1 1 1 1	1 1 1 1 1 1 1
4	5 (A B C D E)	2 2 2 2 2 2 2	2 2 2 2 2 2 2
5	6 (A B C D E)	3 3 3 3 3 3 3	3 3 3 3 3 3 3
6	7 (A B C D E)	4 4 4 4 4 4 4	4 4 4 4 4 4 4
7	8 (A B C D E)	5 5 5 5 5 5 5	5 5 5 5 5 5 5
8	9 (A B C D E)	6 6 6 6 6 6 6	6 6 6 6 6 6 6
9	10 (A B C D E)	7 7 7 7 7 7 7	7 7 7 7 7 7 7
	11 (A B C D E)	8 8 8 8 8 8 8	8 8 8 8 8 8 8
	12 (A B C D E)	9 9 9 9 9 9 9	9 9 9 9 9 9 9
	13 (A B C D E)		
	14 (A B C D E)	3 - UTM	3 - UTM
	15 (A B C D E)		
		0 0 0 0 0 0 0	0 0 0 0 0 0 0
		1 1 1 1 1 1 1	1 1 1 1 1 1 1
		2 2 2 2 2 2 2	2 2 2 2 2 2 2
		3 3 3 3 3 3 3	3 3 3 3 3 3 3
		4 4 4 4 4 4 4	4 4 4 4 4 4 4
		5 5 5 5 5 5 5	5 5 5 5 5 5 5
		6 6 6 6 6 6 6	6 6 6 6 6 6 6
		7 7 7 7 7 7 7	7 7 7 7 7 7 7
		8 8 8 8 8 8 8	8 8 8 8 8 8 8
		9 9 9 9 9 9 9	9 9 9 9 9 9 9

4	5	6	7	8	9	10
0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0
1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1
2 2 2	2 2 2	2 2 2	2 2 2	2 2 2	2 2 2	2 2 2
3 3 3	3 3 3	3 3 3	3 3 3	3 3 3	3 3 3	3 3 3
4 4 4	4 4 4	4 4 4	4 4 4	4 4 4	4 4 4	4 4 4
5 5 5	5 5 5	5 5 5	5 5 5	5 5 5	5 5 5	5 5 5
6 6 6	6 6 6	6 6 6	6 6 6	6 6 6	6 6 6	6 6 6
7 7 7	7 7 7	7 7 7	7 7 7	7 7 7	7 7 7	7 7 7
8 8 8	8 8 8	8 8 8	8 8 8	8 8 8	8 8 8	8 8 8
9 9 9	9 9 9	9 9 9	9 9 9	9 9 9	9 9 9	9 9 9

Written Exam	
1 (A B C D E)	26 (A B C D E)
2 (A B C D E)	27 (A B C D E)
3 (A B C D E)	28 (A B C D E)
4 (A B C D E)	29 (A B C D E)
5 (A B C D E)	30 (A B C D E)
6 (A B C D E)	31 (A B C D E)
7 (A B C D E)	32 (A B C D E)
8 (A B C D E)	33 (A B C D E)
9 (A B C D E)	34 (A B C D E)
10 (A B C D E)	35 (A B C D E)
11 (A B C D E)	36 (A B C D E)
12 (A B C D E)	37 (A B C D E)
13 (A B C D E)	38 (A B C D E)
14 (A B C D E)	39 (A B C D E)
15 (A B C D E)	40 (A B C D E)
16 (A B C D E)	41 (A B C D E)
17 (A B C D E)	42 (A B C D E)
18 (A B C D E)	43 (A B C D E)
19 (A B C D E)	44 (A B C D E)
20 (A B C D E)	45 (A B C D E)
21 (A B C D E)	46 (A B C D E)
22 (A B C D E)	47 (A B C D E)
23 (A B C D E)	48 (A B C D E)
24 (A B C D E)	49 (A B C D E)
25 (A B C D E)	50 (A B C D E)

Data Interpretation	
1 (A B C D E)	11 (A B C D E)
2 (A B C D E)	12 (A B C D E)
3 (A B C D E)	13 (A B C D E)
4 (A B C D E)	14 (A B C D E)
5 (A B C D E)	15 (A B C D E)
6 (A B C D E)	16 (A B C D E)
7 (A B C D E)	17 (A B C D E)
8 (A B C D E)	18 (A B C D E)
9 (A B C D E)	19 (A B C D E)
10 (A B C D E)	20 (A B C D E)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9

26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9

Waste Management	
1	(A B C D E)
2	(A B C D E)
3	(A B C D E)
4	(A B C D E)
5	(A B C D E)
6	(A B C D E)
7	(A B C D E)
8	(A B C D E)
9	(A B C D E)
10	(A B C D E)
11	(A B C D E)
12	(A B C D E)
13	(A B C D E)
14	(A B C D E)
15	(A B C D E)
16	(A B C D E)
17	(A B C D E)
18	(A B C D E)
19	(A B C D E)
20	(A B C D E)

Soil Profile - Part I	
SURFACE TEXTURE	
1 Coarse	<input type="checkbox"/>
2 Moderately Coarse	<input type="checkbox"/>
3 Medium	<input type="checkbox"/>
4 Moderately Fine	<input type="checkbox"/>
5 Fine	<input type="checkbox"/>
SUBSURFACE TEXTURE	
1 Coarse	<input type="checkbox"/>
2 Moderately Coarse	<input type="checkbox"/>
3 Medium	<input type="checkbox"/>
4 Moderately Fine	<input type="checkbox"/>
5 Fine	<input type="checkbox"/>
DEPTH OF SOIL	
1 Deep	<input type="checkbox"/>
2 Moderately Deep	<input type="checkbox"/>
3 Shallow	<input type="checkbox"/>
4 Very Shallow	<input type="checkbox"/>
SLOPE	
1 Nearly Level	<input type="checkbox"/>
2 Gently Sloping	<input type="checkbox"/>
3 Moderately Sloping	<input type="checkbox"/>
4 Strong Sloping	<input type="checkbox"/>
5 Steep	<input type="checkbox"/>
6 Very Steep	<input type="checkbox"/>
EROSION - WIND & WATER	
1 None to Slight	<input type="checkbox"/>
2 Moderate	<input type="checkbox"/>
3 Severe	<input type="checkbox"/>
4 Very Severe	<input type="checkbox"/>
PERMEABILITY	
1 Rapid	<input type="checkbox"/>
2 Moderate	<input type="checkbox"/>
3 Slow	<input type="checkbox"/>
4 Very Slow	<input type="checkbox"/>
SURFACE RUNOFF	
1 Rapid	<input type="checkbox"/>
2 Moderate	<input type="checkbox"/>
3 Slow	<input type="checkbox"/>
4 Very Slow	<input type="checkbox"/>
MAJOR FACTORS	
1 Texture	<input type="checkbox"/> (Y) <input type="checkbox"/> (N)
2 Depth	<input type="checkbox"/> (Y) <input type="checkbox"/> (N)
3 Slope	<input type="checkbox"/> (Y) <input type="checkbox"/> (N)
4 Erosion	<input type="checkbox"/> (Y) <input type="checkbox"/> (N)
5 Permeability	<input type="checkbox"/> (Y) <input type="checkbox"/> (N)
6 Runoff	<input type="checkbox"/> (Y) <input type="checkbox"/> (N)
7 Wetness	<input type="checkbox"/> (Y) <input type="checkbox"/> (N)
8 Flooding	<input type="checkbox"/> (Y) <input type="checkbox"/> (N)
CAPABILITY CLASS	
1 Class I	<input type="checkbox"/> (I)
2 Class II	<input type="checkbox"/> (II)
3 Class III	<input type="checkbox"/> (III)
4 Class IV	<input type="checkbox"/> (IV)
5 Class V	<input type="checkbox"/> (V)
6 Class VI	<input type="checkbox"/> (VI)
7 Class VII	<input type="checkbox"/> (VII)
8 Class VIII	<input type="checkbox"/> (VIII)

Soil Profile - Part II	
VEGETATIVE LAND TREATMENTS	
1 Row crop/occasional soil conserving crop	<input type="checkbox"/> (Y) <input type="checkbox"/> (N)
2 Row crop/frequent soil conserving crop	<input type="checkbox"/> (Y) <input type="checkbox"/> (N)
3 Row crops not more than 2 out of 4 years	<input type="checkbox"/> (Y) <input type="checkbox"/> (N)
4 Row crops not more than 1 out of 5 years	<input type="checkbox"/> (Y) <input type="checkbox"/> (N)
5 Return crop residue to the soil	<input type="checkbox"/> (Y) <input type="checkbox"/> (N)
6 Practice conservation tillage	<input type="checkbox"/> (Y) <input type="checkbox"/> (N)
7 Establish recommended grass or grasses and legumes	<input type="checkbox"/> (Y) <input type="checkbox"/> (N)
8 Proper pasture and range management	<input type="checkbox"/> (Y) <input type="checkbox"/> (N)
9 Protect from burning	<input type="checkbox"/> (Y) <input type="checkbox"/> (N)
10 Control grazing	<input type="checkbox"/> (Y) <input type="checkbox"/> (N)
11 Plant recommended trees	<input type="checkbox"/> (Y) <input type="checkbox"/> (N)
12 Harvest trees selectively	<input type="checkbox"/> (Y) <input type="checkbox"/> (N)
13 Use only for wildlife or recreation area	<input type="checkbox"/> (Y) <input type="checkbox"/> (N)
MECHANICAL LAND TREATMENTS	
14 Control brush or trees	<input type="checkbox"/> (Y) <input type="checkbox"/> (N)
15 Terrace and farm on contour	<input type="checkbox"/> (Y) <input type="checkbox"/> (N)
16 Maintain terraces	<input type="checkbox"/> (Y) <input type="checkbox"/> (N)
17 Construct diversion terraces	<input type="checkbox"/> (Y) <input type="checkbox"/> (N)
18 Install drainage system	<input type="checkbox"/> (Y) <input type="checkbox"/> (N)
19 Control gullies	<input type="checkbox"/> (Y) <input type="checkbox"/> (N)
20 No mechanical treatment needed	<input type="checkbox"/> (Y) <input type="checkbox"/> (N)
FERTILIZER & SOIL AMENDMENTS	
21 Soil amendments	<input type="checkbox"/> (Y) <input type="checkbox"/> (N)
22 Phosphorus (P)	<input type="checkbox"/> (Y) <input type="checkbox"/> (N)
23 Potassium (K)	<input type="checkbox"/> (Y) <input type="checkbox"/> (N)
24 Nitrogen (N)	<input type="checkbox"/> (Y) <input type="checkbox"/> (N)
25 No fertilizer or soil amendments	<input type="checkbox"/> (Y) <input type="checkbox"/> (N)