

Environmental and Natural Resources Form #712-2

Team Name

Louisiana FFA Environmental and Natural Resources CDE

Incorrect Marks Correct Mark



Chapter Number

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

Last Name	First Name
A A A A A A A A A A A A	A A A A A A A A A A A A
B B B B B B B B B B B B	B B B B B B B B B B B B
C C C C C C C C C C C C	C C C C C C C C C C C C
D D D D D D D D D D D D	D D D D D D D D D D D D
E E E E E E E E E E E E	E E E E E E E E E E E E
F F F F F F F F F F F F	F F F F F F F F F F F F
G G G G G G G G G G G G	G G G G G G G G G G G G
H H H H H H H H H H H H	H H H H H H H H H H H H
I I I I I I I I I I I I	I I I I I I I I I I I I
J J 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 K K
L L 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 M M
N N 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 O O
P P 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 Q Q
R R 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 S S
T T 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 U U
V V 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 W W
X X 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 Y Y
Z Z 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

01 - Blue
02 - Gold
03 - Alt

Water Quality

Water Sample #	pH test	Temp test	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

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

GPS

GPS Test #	1 - Multiple Choice	2 - LATITUDE	2 - LONGITUDE	3 - UTM	3 - UTM
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)				

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)

Identification

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	(Y N)
2 Depth	(Y N)
3 Slope	(Y N)
4 Erosion	(Y N)
5 Permeability	(Y N)
6 Runoff	(Y N)
7 Wetness	(Y N)
8 Flooding	(Y N)
CAPABILITY CLASS	
1 Class I	(I)
2 Class II	(II)
3 Class III	(III)
4 Class IV	(IV)
5 Class V	(V)
6 Class VI	(VI)
7 Class VII	(VII)
8 Class VIII	(VIII)

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