# Summary of Response Frequencies 1994 Environmental Survey of Wisconsin's Fifth Grade Students

Part One

(Editor note: The questions in Part One were used to develop a student profile.)

Instructions for Part One: Fill in the circle on your answer sheet for the letter of the answer that is most like your answer to each of the following questions.

- 1. What is your gender? (N = 1850, EL = 678, NI = 1172) %TP %EL %NI
  - 49 47 51 51 53 49
- a) female
- 1 53 49 b) male
- 2. Compared to other subjects you study, how do you feel about studying environmental topics?

$$(N = 1851, EL = 678, NI = 1173)$$

%TP	%EL	%N
15	13	17

- a) less interested
- 52 49 54 33 38 30
- b) about the same c) more interested

# Key:

N = Total Sample Population

EL = Students Identified as Environmentally Literate (teacher id'd or self id'd from #3, choice a)

NI = Students Not Identified as Environmentally Literate (not id'd by either teacher or self)

3. Compared with other students your age, how well do you think you understand problems related to the environment? (N = 1850, EL = 678, NI = 1172)

%TP	%EL	%NI	
22	60		a) above average
71	38	90	b) average
7	2	10	c) below average

4. What one thing has contributed most to your understanding of the environment and environmental problems? (choose only one answer)

$$(N = 1852, EL = 677, NI = 1175)$$

%TP	%EL	%NI	
28	24	31	a) school
15	18	14	b) books, newspapers, or magazines I have read on my own.
10	10	10	c) friends or family members (including parents)
26	24	26	d) field trips, special programs or activities such as clubs,
			scouting or 4H
21	23	19	e) television programs

## Part Two

(Editor note: The questions in Part Two were used to develop an affective profile. Items 5-18 measured student attitudes towards the environment. Items 19-26 measured student locus of control and degree of assumption of personal responsibility towards the environment.)

Instructions for Part Two: These questions ask what you think. Be honest. There are no right or wrong answers. Read each question carefully. Fill in the circle on your answer sheet that is closest to what you think.

	Strongly Agree (SA) ( a )	Agree (A)	No opinion (N) ( c )	Disagree (D) ( d )	Strongly Disagree (SD) ( e )			
5.			solving environmer	ntal problems.				
	(N = 1850, EI	L = 679, NI = 11	71)					
		SA	A	N	D SD			
	%TP	31	37	24	4 3			
	%EL	38	36	19	3 3			
	%NI	27	38	27	4 3			
6.		nd more time le L = 679, NI = 1	arning about the en	vironment.				
	(18 = 10)4, E.	L = 6/9, $INI = 1$	A	N	D SD			
	%TP	18	35		10 4			
	%EL	25	34	29	9 4			
	%EL %NI	15	36		11 5			
	90111	1)	90	3)	11 )			
7.	•		0.	out the environmer	nt and its problems.			
	(N = 1850, E)	L = 678, NI = 1	172)					
		SA	A		D SD			
	%TP	18	32	-	12 4			
	%EL	21	34	_	10 5			
	%NI	16	31	36	14 4			
8.	My school should have more lessons about the environment. $(N = 1852, EL = 678, NI = 1174)$							
		SA	A	N	D SD			
	%TP	19	35	28	12 6			
	%EL	25	33	25	11 6			
	%NI	16	36	30	12 6			
9.		terested in joining L = 678, NI = 1	ng a club that tries t 173)	o protect the envir	onment.			
	·	SA	A	N	D SD			

%TP

%EL

%NI

10.		EL = 678, NI =		por	lution problems.	
	,,	SA	A	N	D	SD
	%TP	33	38	23	4	2
	%EL	37	38	21	3	2
	%NI	31	38	24	5	3
11.		kes too much ai , EL = 677, NI	-	ne should be allow	wed to drive it.	
	(11 - 1050)	SA	Α	N	D	SD
	%TP	19	18	27	20	15
	%EL	18	20	29	18	15
	%NI	19	18	26	22	15
					22 1	
12.			h day is importar EL = 678, NI =		ergy use affects th	ne
	CHVIIOIIIIC	SA	A	N	D	SD
	%TP	19	30	35	8	8
	%EL	22	31	33	7	7
	%NI	17	30	36	9	8
	70111	1/	30	30	9	0
13.	,		^	use there is plenty	y of water.	
	(N = 1839)	, EL = 675, NI				
		SA	A	N	D	SD
	%TP	3	8	11	30	48
	%EL	3	6	7	30	54
	%NI	4	9	12	30	45
14.	It is okay f	or our school to	make the playgr	ound larger, even	if it means destr	oying som
	•		852, EL = 678, 1	•		, 0
	0	SA	Α	N	D	SD
	%TP	5	3	9	23	59
	%EL	5	2	7	20	66
	%NI	5	4	11	25	56
15.	The govern	ment should er	occurace people t	o have cars that	are energy efficier	\ <del>T</del>
1).	0	, EL = 678, NI	0 1 1	o nave cars that i	are energy enterer	
		SA	Α	N	D	SD
	%TP	35	28	28	5	4
	%EL	44	27	20	3	5
	%NI	30	28	32	6	4
16.	To save en	erov. Lam willin	g to watch one h	our less of televis	sion per day	
10.		, EL = 677, NI	•	our ress or televis	non per day.	
		SA	A	N	D	SD
	%TP	18	28	26	11	17
	7011					
	%EL	23	28	25	10	14

17.	I am concerned about how large the human population is becoming. $(N = 1844, EL = 676, NI = 1168)$							
	,	SA	A	N	D	SD		
	%TP	18	23	43	10	6		
	%EL	22	23	40	9	6		
	%NI	15	23	45	10	6		
18.	It bothers me	to throw an	aluminum can in	the trash. (N	N = 1848, EL = 675,	NI = 1173)		
		SA	Α	N	D	SD		
	%TP	22	27	30	12	9		
	%EL	28	27	28	10	8		
	%NI	19	26	31	14	10		
19.	It is a waste of (N = 1832, E.	L = 674, NI	rk to solve enviror = 1158)	nmental proble	ems.			
		SA	A	N	D	SD		
	%TP	4	4	13	23	55		
	%EL	4	4	16	19	63		
	%NI	4	5	15	26	51		
20.	When I have done something that harms the environment there's very little I can do to make it right. $(N = 1844, EL = 676, NI = 1168)$							
		SA	Α	N	D	SD		
	%TP	7	14	25	31	23		
	%EL	8	11	21	32	29		
	%NI	7	15	28	30	20		
21.	Things I do have no effect on the quality of the environment. $(N = 1852, EL = 677, NI = 1175)$							
		SA	Α	N	D	SD		
	%TP	4	9	26	31	30		
	%EL	5	7	20	30	38		
	%NI	4	10	28	32	25		
22.	Most of the time an adult or my parents(s) will listen to what I have to say about the environment. $(N = 1850, EL = 679, NI = 1171)$							
		SA	Α	N	D	SD		
	%TP	18	32	29	12	11		
	%EL	22	31	26	10	11		
	%NI	15	32	30	13	11		
23.		(N = 1852)	g out the lights in ,, EL = 679, NI =	1173)	ssroom because the s			
		SA	A	N	D	SD		
	%TP	8	7	18	29	38		
	%EL	7	5	15	29	43		
	%NI	8	8	19	30	36		

24.	It is too hard to solve enviro		onmental problems.	(N = 1847, EL = 677, NI = 1170)		170)
		SA	A	N	D	SD
	%TP	7	9	23	32	30
	%EL	7	8	19	32	35
	%NI	7	9	25	32	26

25. As long as other people are driving big cars, my family should be able to drive one too. (N = 1853, EL = 678, NI = 1175)

	SA	A	N	D	SD
%TP	9	11	33	25	22
%EL	8	9	32	25	26
%NI	10	12	34	26	19

26. Environmental problems will only be solved when people like me change the way we live. (N = 1854, EL = 679, NI = 1175)

	SA	A	N	D	SD
%TP	36	26	23	9	6
%EL	41	26	19	7	7
%NI	33	26	25	9	6

### Part Three

(Editor note: The questions in Part Three were used to develop a behavioral profile.)

Instructions for Part Three: The next questions ask about things you do. Be honest. There are no right or wrong answers. Fill in the circle on your answer sheet that is closest to what you do.

	Almost Alwa ( a )	•	Often (O) (b)	Sometimes (S) ( c )	Almost Never (AN) ( d )	Never (N) ( e )
27.	I try to save	water. (N	= 1853, EL = 6	79, NI = 1174)		
		AA	O	S	AN	N
	%TP	32	34	28	4	3
	%EL	35	35	25	3	2
	%NI	30	33	30	4	3
28.	I turn off lig	hts without	being asked.	(N = 1849, EL = 6)	79, NI = 1170)	
		AA	О	S	AN	N
	%TP	38	28	26	4	3
	%EL	42	25	26	4	3
	%NI	35	30	27	4	4

29.	I turn the	water off while b	orushing my teeth	n. $(N = 1850, E$	EL = 678, NI = 11	72)
		AA	o '	S	AN	N
	%TP	59	15	14	5	7
	%EL	66	11	13	4	5
	%NI	54	17	14	6	8
30.	I they to cot	at places that w	na littla packacina	~ (NI _ 1950 E	L = 678, NI = 11	72)
50.	I try to eat	AA	se little packaginę O	$S = \{1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1$	AN	N
	%TP	9	12	38	20	21
	%EL	12	13	36	19	21
	%EL %NI	7	12	39	20	22
	70141	,	12	37	. 20	22
31.	I tell peopl	e about using re	cycled paper. (N	N = 1850, $EL = 0$	677, NI = 1173)	
		AA	O	S	AN	N
	%TP	10	13	26	20	30
	%EL	12	14	27	20	27
	%NI	8	12	26	20	33
32.	I have writ	ton a letter to co	maona suggestin	a a colution to a	n environmental p	roblem
52.		, EL = 678, NI :		g a solution to al	i chvhomichtai p	robiciii.
	(14 = 104)	AA	O	S	AN	N
	%TP	4	4	12	10	70
	%EL	6	5	14	10	65
	%NI	2	3	12	11	72
	70111	~	3			, –
33.	I ask peopl	e to recycle. (N	N = 1848, $EL = 6$	77, NI = 1171)		
		AA	O	S	AN	N
	%TP	15	18	30	17	20
	, , , ,	1)	10	30	17	20
	%EL	20	22	28	14	16
34	%EL %NI	20 13	22 16	28 31	14 18	16
34.	%EL %NI I ask some	20 13 one not to buy s	22 16 comething if I thi	28 31	14 18	16
34.	%EL %NI I ask some	20 13 one not to buy s , EL = 678, NI	22 16 something if I thi = 1171)	28 31 nk it harms the o	14 18 environment.	16 22
34.	%EL %NI I ask some (N = 1849	20 13 one not to buy s , EL = 678, NI = AA	22 16 comething if I thi = 1171) O	28 31 nk it harms the 6 S	14 18 environment. AN	16 22 N
34.	%EL %NI I ask some (N = 1849 %TP	20 13 one not to buy s , EL = 678, NI = AA 8	22 16 something if I thi = 1171) O 9	28 31 nk it harms the o S 24	14 18 environment. AN 21	16 22 N 38
34.	%EL %NI I ask some (N = 1849	20 13 one not to buy s , EL = 678, NI = AA	22 16 comething if I thi = 1171) O	28 31 nk it harms the 6 S	14 18 environment. AN	16 22 N
	%EL %NI I ask some (N = 1849 %TP %EL %NI	20 13 one not to buy s , EL = 678, NI = AA 8 11 5	22 16 something if I thi = 1171) O 9 11 8	28 31 nk it harms the 6 S 24 24 24	14 18 environment. AN 21 20 22	16 22 N 38 34
34. 35.	%EL %NI I ask some (N = 1849 %TP %EL %NI	20 13 one not to buy s , EL = 678, NI = AA 8 11 5	22 16 something if I thi = 1171) O 9 11 8	28 31 nk it harms the o S 24 24 24 1848, EL = 676	14 18 environment. AN 21 20 22 5, NI = 1172)	N 38 34 41
	%EL %NI I ask some (N = 1849 %TP %EL %NI I ask some	20 13 one not to buy s , EL = 678, NI = AA 8 11 5 one to buy recyc	22 16 something if I thi = 1171) O 9 11 8 seled paper. (N =	28 31 nk it harms the 6 S 24 24 24 1848, EL = 676 S	14 18 environment. AN 21 20 22 5, NI = 1172) AN	16 22 N 38 34 41
	%EL %NI I ask some (N = 1849 %TP %EL %NI I ask some %TP	20 13 one not to buy s , EL = 678, NI = AA 8 11 5 one to buy recyc AA 8	22 16 comething if I this = 1171) O 9 11 8 cled paper. (N = O 11	28 31 nk it harms the 6 S 24 24 24 1848, EL = 676 S 21	14 18 environment. AN 21 20 22 5, NI = 1172) AN 20	N 38 34 41 N 40
	%EL %NI  I ask some (N = 1849) %TP %EL %NI  I ask some (%TP) %EL	20 13 one not to buy s , EL = 678, NI = AA 8 11 5 one to buy recyc AA 8	22 16 comething if I this = 1171) O 9 11 8 cled paper. (N = O 11 12	28 31 nk it harms the 6 S 24 24 24 1848, EL = 676 S 21 21	14 18 environment. AN 21 20 22 5, NI = 1172) AN 20 21	N 38 34 41 N 40 35
	%EL %NI I ask some (N = 1849 %TP %EL %NI I ask some %TP	20 13 one not to buy s , EL = 678, NI = AA 8 11 5 one to buy recyc AA 8	22 16 comething if I this = 1171) O 9 11 8 cled paper. (N = O 11	28 31 nk it harms the 6 S 24 24 24 1848, EL = 676 S 21	14 18 environment. AN 21 20 22 5, NI = 1172) AN 20	N 38 34 41 N 40
	%EL %NI  I ask some (N = 1849) %TP %EL %NI  I ask some (%TP %EL %NI	20 13 one not to buy s , EL = 678, NI = AA 8 11 5 one to buy recyc AA 8 11 6	22 16 comething if I this = 1171) O 9 11 8 cled paper. (N = O 11 12	28 31 nk it harms the 6 S 24 24 24 1848, EL = 676 S 21 21 22	14 18 environment. AN 21 20 22 5, NI = 1172) AN 20 21 20	N 38 34 41 N 40 35
35.	%EL %NI  I ask some (N = 1849) %TP %EL %NI  I ask some (%TP %EL %NI	20 13 one not to buy s , EL = 678, NI = AA 8 11 5 one to buy recyc AA 8 11 6	22 16 something if I this = 1171) O 9 11 8 cled paper. (N = O 11 12 10	28 31 nk it harms the 6 S 24 24 24 1848, EL = 676 S 21 21 22	14 18 environment. AN 21 20 22 5, NI = 1172) AN 20 21 20	N 38 34 41 N 40 35
35.	%EL %NI  I ask some (N = 1849) %TP %EL %NI  I ask some (%TP %EL %NI	20 13  one not to buy s , EL = 678, NI = AA  8 11 5  one to buy recyc AA  8 11 6	22 16 comething if I this = 1171) O 9 11 8 cled paper. (N = O 11 12 10 (N = 1849, EL =	28 31 nk it harms the 6 S 24 24 24 1848, EL = 676 S 21 21 22	14 18 environment. AN 21 20 22 5, NI = 1172) AN 20 21 20	N 38 34 41 N 40 35 43
35.	%EL %NI I ask some (N = 1849) %TP %EL %NI I ask some %TP %EL %NI I ask peopl	20 13  one not to buy s , EL = 678, NI = AA  8 11 5  one to buy recyc AA  8 11 6  te not to litter. AA	22 16 comething if I this = 1171) O 9 11 8 cled paper. (N = O 11 12 10 (N = 1849, EL = O	28 31 nk it harms the 6 S 24 24 24 1848, EL = 676 S 21 21 22 679, NI = 1170 S	14 18 environment. AN 21 20 22 5, NI = 1172) AN 20 21 20 21	N 38 34 41 N 40 35 43

37. I ask other people to do some things because they are good for the environment. (N = 1848, EL = 677, NI = 1171)

	AA	O	S	AN	N
%TP	12	22	34	17	16
%EL	16	24	31	14	15
%NI	9	20	36	18	16

38. I have encouraged a parent or another adult to vote. (N = 1852, EL = 679, NI = 1173)

	AA	O	S	AN	N
%TP	13	16	20	13	37
%EL	17	18	20	12	33
%NI	11	15	21	14	40

39. I pick up litter without being asked. (N = 1852, EL = 678, NI = 1174)

	AA	O	S	AN	N
%TP	25	24	33	10	8
%EL	31	27	27	9	6
%NI	21	23	36	10	10

40. I try to save electricity. (N = 1851, EL = 678, NI = 1173)

/		,	, , , , , , , , , , , , , , , , , , , ,		
	AA	O	S	AN	N
%TP	36	31	23	6	4
%EL	41	30	20	5	4
%NI	33	31	25	6	4

### Part Four

(Editor note: The questions in Part Four were used to develop a cognitive profile.)

Instructions for Part Four: These questions ask about what you know. Read each question carefully. Fill in the circle representing the best answer on your answer sheet.

41. A flower with colorful petals and a sweet smell would most likely be pollinated by: (N = 1840, EL = 672, NI = 1168)

%TP	%EL	%NI		
14	11	15	a)	rain.
5	4	6	b)	wind.
17	15	18	c)	a gardener.
65	70	62	d)*	insects.

42. A small bird eats a butterfly that had been eating nectar from a flower. Then the bird is eaten by a hawk. This is an example of: (N = 1849, EL = 677, NI = 1172)

%TP	%EL	%NI		
2	2	3	a)	mutualism.
92	94	92	b)*	a food chain.
2	2	2	c)	competition.
3	3	3	d)	survival of the fittest.

43. Which of the following is a predator-prey relationship? (N = 1848, EL = 678, NI = 1170)

%TP	%EL	%NI		
12	9	14	a)	A flea bites a dog.
70	76	66	b)*	A robin eats a worm.
8	6	9	c)	A caterpillar eats a leaf.
11	9	11	d)	A deer eats grass that has a grasshopper on it.

44. A fox dies. This creates a problem for: (N = 1846, EL = 676, NI = 1170)

%TP	%EL	%NI		
42	50	37	a)*	the fleas that were drinking the fox's blood.
11	11	11	b)	a rabbit that has a nest nearby.
17	14	19	c)	another fox whose territory is nearby.
30	26	33	d)	an animal that hunts in the same area that the fox did.

45. Termites eat only wood; however, they cannot digest it. Tiny organisms that only live in termites' stomach and intestine digest the wood. The relationship the tiny organisms and the termites have is helpful to: (N = 1840, EL = 673, NI = 1167)

%TP	%EL	%NI		
48	53	45	a)*	both.
15	12	17	b)	one and harmful to the other.
22	21	22	c)	one and has no effect on the other.
15	14	16	d)	neither.

46. A cat and a snake are hunting the same mouse. What is the relationship between the cat and the snake? (N = 1844, EL = 674, NI = 1170)

%TP	%EL	%NI		
12	9	13	a)	One is using the other but not harming it.
71	78	67	b)*	They are competing with each other.
10	7	11	c)	They are helping each other.
8	5	9	d)	One is trying to eat the other one.

47. If there were no decomposers on Earth, what would happen? (N = 1844, EL = 676, NI 1168)

%TP	%EL	%NI		
60	66	57	a)*	Dead plants and animals wouldn't become part of the soil.
12	10	13	b)	Many human diseases would disappear.
7	7	7	c)	More meat would be available for humans to eat.
20	17	22	d)	Little would change.

48. A grassland turns into a desert over a short period of time. What will most likely happen to the animals that lived in the grassland? (N = 1850, EL = 677, NI = 1173)

%TP	%EL	%NI		
84	88	82	a)*	Most will leave or die.
3	2	3	b)	They would have more babies to survive.
7	5	8	c)	Those that eat grass would adapt to new food.
6	5	7	d)	Many will pass on traits that will help their young to
				survive in the desert.

49. Some people started a program in a national forest to protect deer. They started killing wolves. Ten years later there were no wolves in the forest. For a few years after the wolves were gone there were many more deer than there had ever been. Then suddenly there were almost no deer.

The people who wanted to protect the deer didn't know that:

(N = 1844, EL = 677, NI = 1167)

%TP	%EL	%NI		
19	16	22	a)	deer only live to be a few years old.
12	9	13	b)	fires would kill so many deer.
23	22	23	c)	other animals would eat so much of the deer's food.
46	54	42	d)*	the deer would eat all of the food and then many

50. The original source of energy for almost all living things is: (N = 1840, EL = 677, NI = 1163)

%TP	%EL	%NI		
50	56	47	a)*	the sun.
36	33	37	b)	water.
4	4	5	c)	the soil.
9	7	11	d)	plants.

51. A rabbit eats some corn. The energy from the corn goes into the rabbit. The next day a fox eats the rabbit. The fox gets very little of the energy that was in the corn. Why? (N = 1846, EL = 677, NI = 1169)

%TP	%EL	%NI		
4	4	4	a)	A fox can't digest corn.
34	33	35	b)	The rabbit has already digested the corn.
6	4	7	c)	Corn doesn't have much energy.
56	59	54	d)*	Most of the corn's energy was used by the rabbit.

52. Most of the oxygen in the atmosphere comes from: (N = 1842, EL = 673, NI = 1169)

%TP	%EL	%NI		
2	2	2	a)	insects.
76	83	72	b)*	plants.
7	5	8	c)	the soil.
14	10	17	d)	the sun.

53. Which of the following would give humans the most food energy from 1,000 pounds of plants? Assume the plants are good for people to eat. (N = 1844, EL = 674, NI = 1170)

%TP	%EL	%NI		
19	18	20	a)	Feed the plants to insects, feed the insects to fish,
				then humans eat the fish.
38	42	36	b)*	Humans eat the plants.
33	33	33	c)	Feed the plants to cattle then humans eat the cattle.
9	7	11	d)	Feed the plants to fish then humans eat the fish.

54. After living things die they decompose. As a result of this process nutrients are: (N = 1843, EL = 677, NI = 1166)

%TP	%EL	%NI		
52	65	45	a)*	recycled.
19	12	23	b)	destroyed.
9	7	10	c)	unavailable.
19	16	22	d)	evaporated.

55. Which of the following is a part of the water cycle? (N = 1842, EL = 674, NI = 1168)

%TP	%EL	%NI		
7	6	8	a)	Erosion.
22	16	25	b)	Ocean tides.
66	74	61	c)*	Evaporation.
5	4	6	d)	Decomposition.

56. A pollutant gets into an ecosystem and harms insects. How might this affect the ecosystem? (N = 1831, EL = 672, NI = 1159)

%TP	%EL	%NI		
8	5	9	a)	Plants are not harmed, so it doesn't affect the
				ecosystem.
55	62	50	b)*	It harms part of the ecosystem, so it may affect other parts of the ecosystem.
20	17	22	c)	It kills insects, so other animals in the ecosystem stay healthy.
17	15	18	d)	Most animals eat plants so it doesn't affect the ecosystem much.

57. Many people believe that the Earth's average temperature is changing. They say that one important cause of this change is: (N = 1838, EL = 673, NI = 1165)

%TP	%EL	%NI		
35	39	32	a)*	using fuels like gasoline.
35	33	36	Ь)	the sun is moving closer to the earth.
20	19	20	c)	acid rain.
10	9	11	d)	rising ocean levels.

58. The layer of ozone in the Earth's atmosphere has developed holes because: (N = 1839, EL = 674, NI = 1165)

%TP	%EL	%NI		
64	72	60	a)*	some kinds of air pollution break down ozone.
10	8	11	Ь)	the sun's rays have become more powerful.
10	5	13	c)	the Earth's average temperature is changing.
15	15	16	d)	acid rain is breaking down ozone.

59. Acid rain is a problem because: (N = 1834, EL = 673, NI = 1161)

%TP	%EL	%NI		
57	62	54	a)*	it may harm plants by affecting their leaves and
				changing the soil they grow in.
18	17	19	b)	it may break down the layer of ozone in the Earth's
				atmosphere.
10	9	11	c)	people may have to stay indoors when it's raining.
14	13	15	d)	it may cause a slow change in the Earth's temperature.

60. One suggested advantage of using nuclear power plants instead of coal or oil for energy production is: (N = 1824, EL = 664, NI = 1160)

%TP	%EL	%NI		
15	10	17	a)	Nuclear power plants are not expensive to build.
18	17	19	b)	The waste products are easy to store.
10	8	11	. c)	They are totally safe.
57	64	53	d)*	There is less air pollution.

Which of the following would be most likely to cause soil pollution? (N = 1847, EL = 676, NI = 1171)

%TP	%EL	%NI		
51	55	48	a)*	Putting too much fertilizer on lawns.
17	16	17	Ь)	Organic gardening.
13	9	15	c)	Letting dead plants become part of the soil.
20	20	20	d)	Cutting lawns so short that the grass dies.

62. Landfills may contribute to groundwater pollution when: (N = 1844, EL = 676, NI = 1168)

%TP	%EL	%NI		
18	16	19	a)	people put things that could be recycled in the garbage.
59	67	55	b)*	chemicals leak out of the landfill.
11	9	13	c)	it rains.
11	9	13	d)	people put biodegradable materials into the garbage.

63. The pollution of ocean water is a serious problem because:

(N = 1842, EL = 675, NI = 1167)

%TP	%EL	%NI		
10	8	11	a)	ships have trouble traveling through polluted water.
6	4	7	b)	the oceans contain salt water.
8	5	10	c)	ocean tides are affected.
76	82	72	d)*	oceans contain many different kinds of plants and
				animal life.

64. A polluted river: (N = 1841, EL = 672, NI = 1169)

%TP	%EL	%NI		
3	2	4	a)	is easy to clean up.
21	17	24	Ь)	will always be polluted if it runs through large cities.
67	72	64	c)*	can be cleaned up with a great deal of work and
				cooperation by many people.
8	9	8	d)	is the responsibility of only the people living and
				working near its banks.

65. Keeping oceans unpolluted is made harder by the: (N = 1839, EL = 672, NI = 1167)

%TP	%EL	%NI		
16	14	18	a)	salt in ocean water.
20	18	21	b)	wide variety of plants and animals living in the
				oceans.
12	11	12	c)	wide variety of temperatures and weather that the
				oceans have.
52	57	48	d)*	number of countries that use the oceans.

66. Cutting down forests for lumber or farming often conflicts with: (N = 1845, EL = 674, NI = 1171)

%TP	%EL	%NI		
8	8	8	a)	creating jobs.
18	16	20	b)	building homes for people.
65	68	63	c)*	the needs of forest plants and animals.
8	8	8	d)	keeping land open for roads.

67. Some animals were common in parts of Wisconsin 100 years ago. Now they are endangered. This is most likely because: (N = 1845, EL = 676, NI = 1169)

%TP	%EL	%NI		
8	6	9	a)	other animals chased them out or ate them.
8	5	10	b)	the weather changed.
74	81	70	c)*	people made too many changes in the animals' habitat.
11	8	12	d)	the animals or plants they ate died off.

68. If wild animal species need a place to live for the next 300 years it would be best to: (N = 1845, EL = 673, NI = 1172)

%TP	%EL	%NI		
16	11	19	a)	put them in a zoo where they can be cared for and
				protected.
20	22	20	b)	put them in parks where they can be protected and
				still be free.
8	5	9	c)	let them live on land that people don't want to use.
56	62	52	d)*	save large areas of the animals' natural habitat.

69. Humans use energy from coal and oil by burning them. Another source of energy for humans is: (N = 1843, EL = 674, NI = 1169)

%TP	%EL	%NI		
8	5	9	a)	cold water.
9	6	11	b)	a well insulated home.
19	16	20	c)	a furnace.
65	73	60	d)*	the sun.

70. Which type of energy will be available for human use for the longest period of time? (N = 1843, EL = 676, NI = 1167)

%TP	%EL	%NI		
7	5	8	a)	Oil.
7	6	8	Ь)	Coal.
15	11	18	c)	Nuclear energy.
70	78	66	d)*	Solar energy.

71. One energy source for humans is nuclear energy. However, people disagree about: (N = 1843, EL = 673, NI = 1170)

%TP	%EL	%NI		
44	52	39	a)*	storing nuclear waste for thousands of years.
20	19	20	b)	finding the materials needed to produce nuclear
				energy.
16	14	17	c)	finding people to work in the nuclear power plants.
20	15	23	d)	changing nuclear energy into electricity.

72. Why do people continue using energy sources that cannot be quickly replaced? (N = 1835, EL = 672, NI = 1163)

%TP	%EL	%NI		
15	12	16	a)	Those energy sources are non-renewable.
17	14	19	b)	The supply of energy is so large that it won't run out.
19	15	21	c)	When those energy sources run out scientists will have
				another one for people to use.
49	58	44	d)*	Those energy sources are more convenient than
				other sources.

73. Which energy source do scientists think will be in short supply in 300 years? (N = 1834, EL = 672, NI = 1162)

%TP	%EL	%NI		
6	4	7	a)	The wind.
63	68	61	b)*	Oil.
14	12	15	c)	Water flowing over a dam.
17	16	17	d)	The sun.

74. Fewer resources are wasted when shoppers buy things that:

(N = 1837, EL = 677, NI = 1160)

%TP	%EL	%NI		
52	58	48	a)*	are in containers that can be used again.
12	9	14	Ь)	have a label saying they are made from natural products.
17	15	18	c)	are wrapped separately so they stay clean and new looking.
19	18	20	d)	are disposable.

75. The population of humans on the Earth is: (N = 1843, EL = 674, NI = 1169)

%TP	%EL	%NI		
5	4	6	a)	the same as it was 10 years ago.
10	7	12	b)	getting smaller.
76	82	73	c)*	growing larger.
8	7	9	d)	not changing.

76. Countries with small populations may be a part of the world's resource problems if they: (N = 1834, EL = 674, NI = 1160)

%TP	%EL	%NI		
19	17	20	a)	allow more people to leave their country.
18	13	20	b)	produce too much plant waste.
9	6	10	c)	do not have enough children.
54	64	49	d)*	use more resources than they need.

77. In the long term, which of the following is the best way to make the amount of garbage going to landfills smaller? (N = 1827, EL = 669, NI = 1158)

%TP	%EL	%NI		
18	16	18	a)	Reusing things before we throw them away.
12	10	13	b)*	Reducing the amount of things we use.
64	68	62	c)	Recycling as much as possible.
7	6	7	d)	Burning as much garbage as possible.

78. Which of the following is hazardous waste? (N = 1835, EL = 676, NI = 1159)

%TP	%EL	%NI		
13	10	15	a)	broken glass.
17	19	16	b)	laundry detergent.
59	62	58	c)*	batteries.
10	8	11	d)	decomposing plants.

79. The best way to find out how the people in your town feel about solid waste would be to: (N = 1827, EL = 672, NI = 1155)

%TP	%EL	%NI		
20	18	22	a)	read the newspaper and watch the news.
10	7	11	b)	talk to your friends.
60	68	55	c)*	do a survey of a large number of people.
10	7	12	d)	talk to the teachers in your school.

This is the end of the survey. Thank you for your participation!