



CHEMICAL MANUFACTURERS ASSOCIATION

May 10, 1982

To: State Organizations

From: V.H. Peterson *VHP*

Subject: State Statistical Study of Chemical Industry

Attached is a two-part yearly update of the analysis done by this department last year of states in which the chemical industry is heavily involved or interested.

Last year we analyzed 41 states; this year, 44. They are divided into the top 26 states of greatest interest, closely followed by the remaining 18.

Last year the 15 states in the second comparative study were selected by State Affairs as being of growing interest.

In compiling the current figures, we added Kansas because in value of shipments it actually has replaced Wisconsin in the top 26. We also added Idaho and Oklahoma because they ranked sixth and seventh respectively in value of shipments and value added in the secondary list.

At this time, the remaining six states have negligible chemical interests in comparison and, therefore, are not ranked.

There are two overall comparative compilations: one for the leading 26; the second for the other 18.

There also are individual state charts which show standings this year compared with the previous year in every category studied (Kansas, Idaho and Oklahoma excepted). The categories are:

1. Value of Shipments
2. Value Added by Manufacturer
3. Number Chemical Employees
4. Percent Chemical Employees to Total in Manufacturing
5. Percent Chemical Employees to State Population
6. Estimated CMA Member Company in State
7. Estimated CMA Member Plants in State
8. Estimated CMA Member Companies with \$100 Million or More Sales
9. State Organizations

Formerly Manufacturing Chemists Association—Serving the Chemical Industry Since 1872.
2501 M Street, NW • Washington, DC 20037 • Telephone 202/887-1100 • Telex 89617 (CMA WSH)

AP00004893

Texas, New Jersey and Louisiana continued strong.

Illinois, Ohio, California, Pennsylvania, New York, Missouri, Georgia, Connecticut and Iowa showed the greatest upward movement in standings.

West Virginia and Kentucky each lost positions in two important categories: value of shipments and value added.

If you wish additional copies, please contact Margi Poe at CMA, (202) 887-1341.

ANALYSIS OF THE 26 LEADING STATES OF THE CHEMICAL INDUSTRY
1978
UNDER SIC 28
BUREAU OF CENSUS, DEPARTMENT OF COMMERCE
AND
CHEMICAL MANUFACTURERS ASSOCIATION

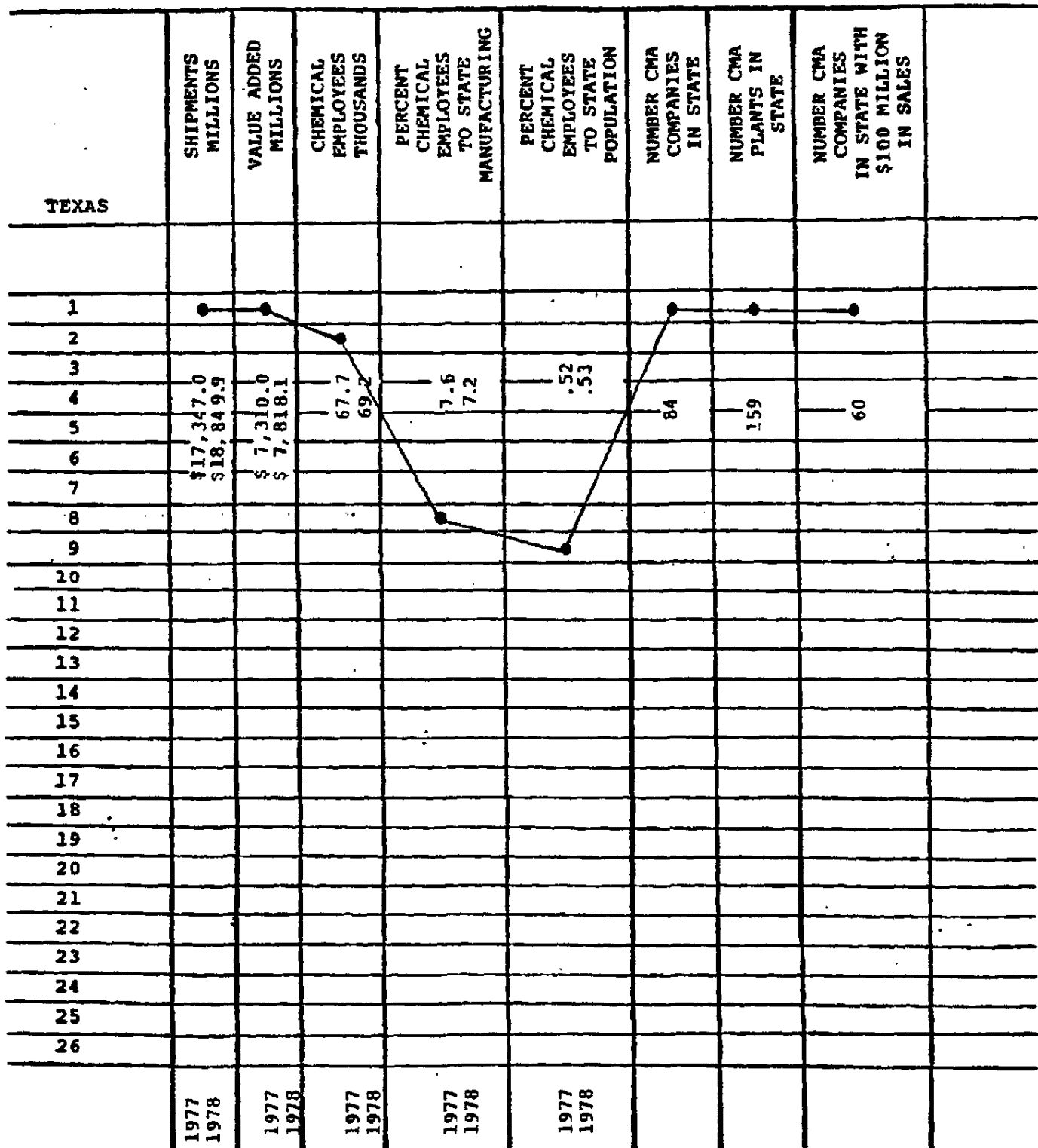
	VALUE OF SHIPMENTS		VALUE ADDED IN MANUFACTURING		CHEMICAL EMPLOYEES		CHEM. EMPLOYEES TO TOTAL IN NEG.		CHEM. EMPLOYEES TO STATE POPULATION		ESTIMATED CMA MEMBERS IN STATE		ESTIMATED CMA PLANTS IN STATE		CMA MEMBERS WITH \$100 MILLION+ SALES		STATE ORGANIZATIONS
STATE	RANK	(MILLION \$s)	RANK	(MILLION \$s)	RANK	(THOUSAND)	RANK	PERCENT	RANK	PERCENT	RANK	NUMBER	RANK	NUMBER	RANK	NUMBER	
TX	1	18,849.9	1	7,818.1	2	69.2	8	7.2	9	.510	1	84	1	159	1	60	TX Chemical Council
NJ	2	12,110.2	2	6,558.9	1	97.7	4	12.2	2	1.335	2	73	2	139	2	46	NJ CIC
IA	3	8,744.1	6	3,331.7	12	31.0	2	15.4	6	.779	8	43	7	66	6	33	IACA, IC, RP, I'ville
IL	4	7,750.1	3	3,901.2	4	54.3	12	4.1	12	.481	5	56	5	74	4	39	CIC - Midwest
OH	5	7,583.9	4	3,604.0	7	45.8	15	3.4	14	.427	4	66	4	102	5	37	OH Chemical Council
CA	6	6,803.3	8	3,096.8	3	57.2	18	3.0	22	.256	3	67	3	122	3	42	CIC of CA
PA	7	5,984.1	7	3,157.7	8	44.9	16	3.3	15	.382	6	49	6	71	7	32	PA CIC
NY	8	5,835.9	5	3,356.1	6	51.2	16	3.3	20	.288	7	44	8	57	8	30	New York Alliance
TN	9	4,981.7	9	2,433.7	5	53.0	5	10.4	3	1.223	15	21	13	35	13	17	TMA Chem. Committee
MI	10	4,377.6	10	2,330.1	9	34.5	19	2.9	16	.376	9	30	9	48	10	20	MI Chemical Council
NC	11	3,668.7	12	1,867.1	11	32.6	12	4.1	8	.585	10	26	11	38	10	21	
IN	12	3,542.6	11	2,012.2	13	26.5	14	3.6	11	.492	13	23	16	28	15	15	
SC	13	3,246.3	15	1,598.8	10	33.9	6	8.6	4	1.168	10	26	12	36	10	20	
VA	14	3,074.6	13	1,637.7	11	32.6	7	8.0	7	.630	19	14	18	23	18	10	VA Mfrs. Assn.
WV	15	3,062.6	16	1,362.7	16	19.6	1	15.8	5	1.053	17	16	18	23	17	12	WV Mfrs. Assn.
MO	16	2,993.1	14	1,601.0	14	24.0	10	5.3	10	.495	16	20	17	25	15	15	St. L. Chem. Council
FL	17	2,972.0	18	979.7	15	23.7	9	5.5	23	.251	14	21	14	31	15	15	
GA	18	2,583.6	17	1,177.5	18	15.5	18	3.0	19	.305	12	24	10	40	12	18	
KY	19	2,559.2	19	961.8	19	15.3	10	5.3	13	.438	16	20	16	28	11	19	Assn. Ind. of KY
AL	20	2,124.6	22	819.5	22	13.0	13	3.7	17	.349	11	25	13	35	9	21	AL Chemical Council
CT	21	1,684.7	20	876.7	20	13.3	17	3.1	14	.427	12	24	20	18	14	16	CT Bus./Ind. Assn.
IA	22	1,682.7	21	831.2	25	5.6	21	2.3	24	.193	21	11	22	13	19	9	IA Mfrs. Assn.
MA	23	1,651.6	23	792.3	17	15.6	20	2.4	21	.270	14	22	15	29	14	16	
MD	24	1,601.2	24	679.0	21	13.1	11	5.2	10	.316	18	15	21	16	16	14	
DE	25	1,154.9	26	504.8	23	8.4	3	12.6	1	1.438	20	13	19	19	18	10	CIC of Delaware
WI	26	1,082.5	25	559.6	24	7.6	22	1.3	25	.162	20	13	21	16	19	9	

TOTAL - \$121,703.7 94% of Total 1978 Shipments (\$129,357.3)	TOTAL - \$57,851.9 94% of Total 1978 Value Added (\$61,505.8)	TOTAL - 837.1 92% of Total 1978 Chem. Employees (906.3)	AVERAGE 5.96	AVERAGE .5635	TOTAL 846	TOTAL 1291	TOTAL 596
	45% of Total 1978 Shipments	Production per worker at \$145.87 a year compared with industry average of \$144.323				Out of 1500 Total CMA plants	Of 90 member companies in this category, only two or three are NOT involved at least once.
Total 1980 Shipments: \$161,558.5	Total 1980 Value Added: \$73,415.3	Total 1980 Chem. Employees 902.7					

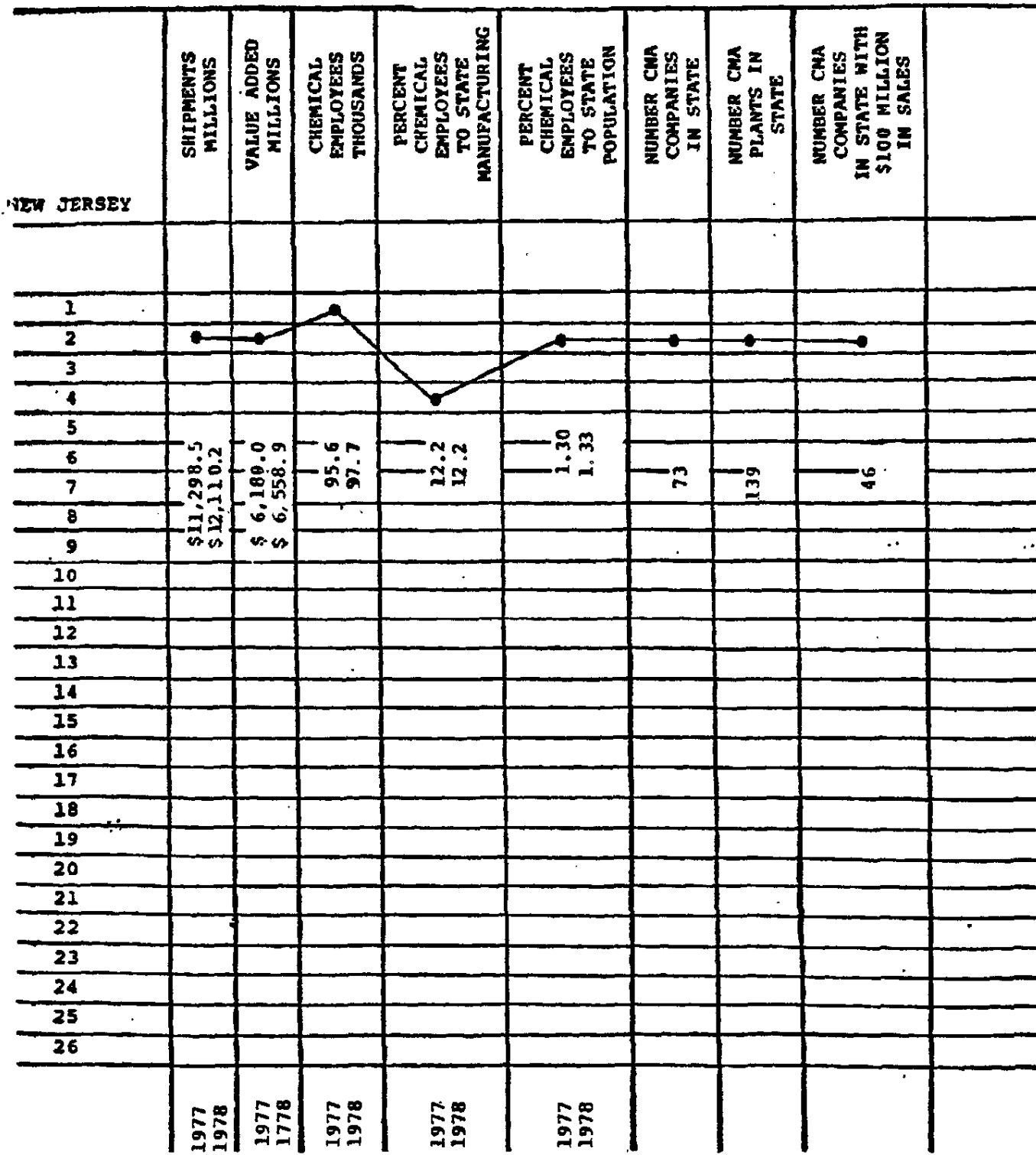
April 1982

AP00004895

RANKING PER STATE - TOP 26

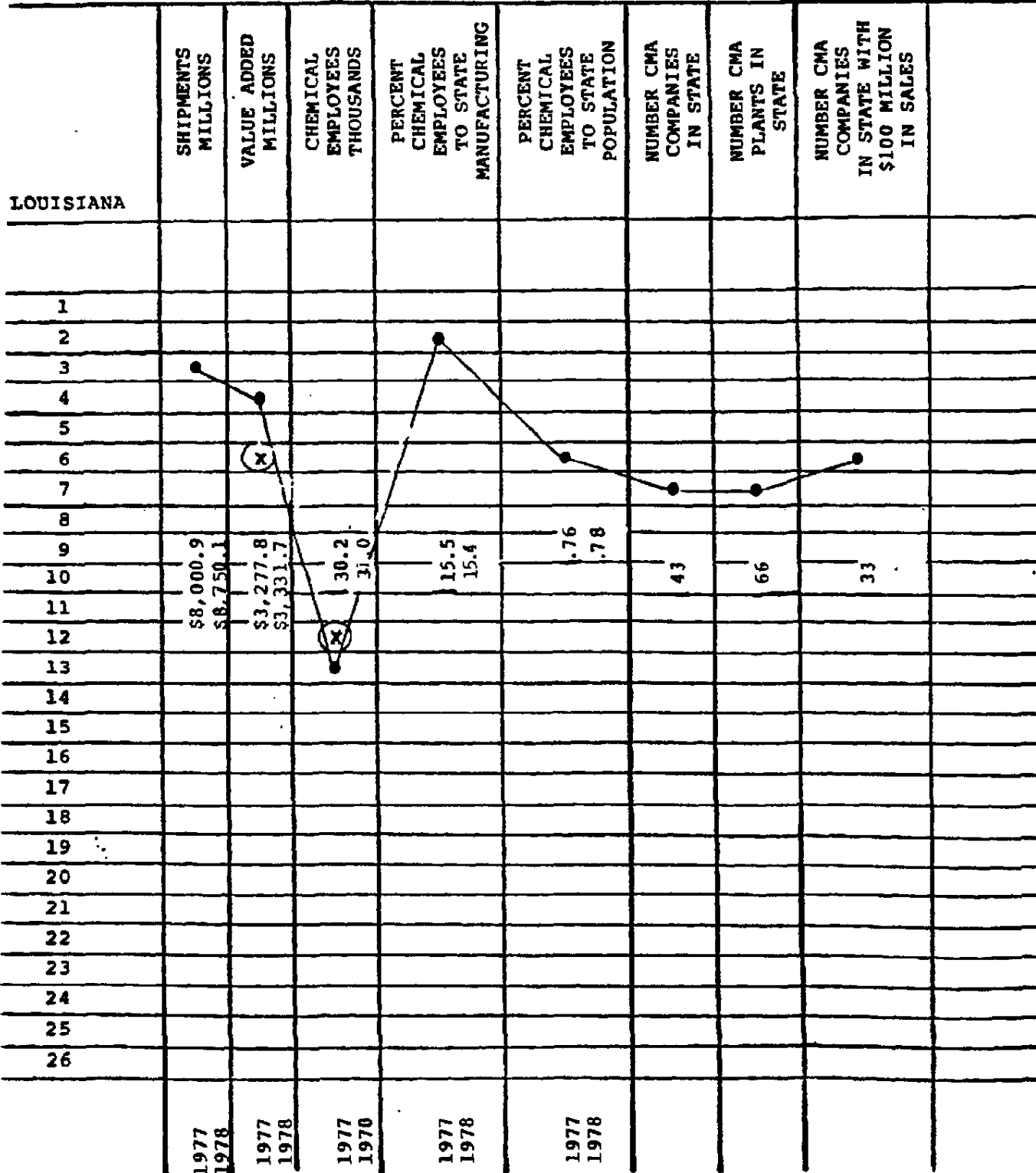


RANKING PER STATE - TOP 26



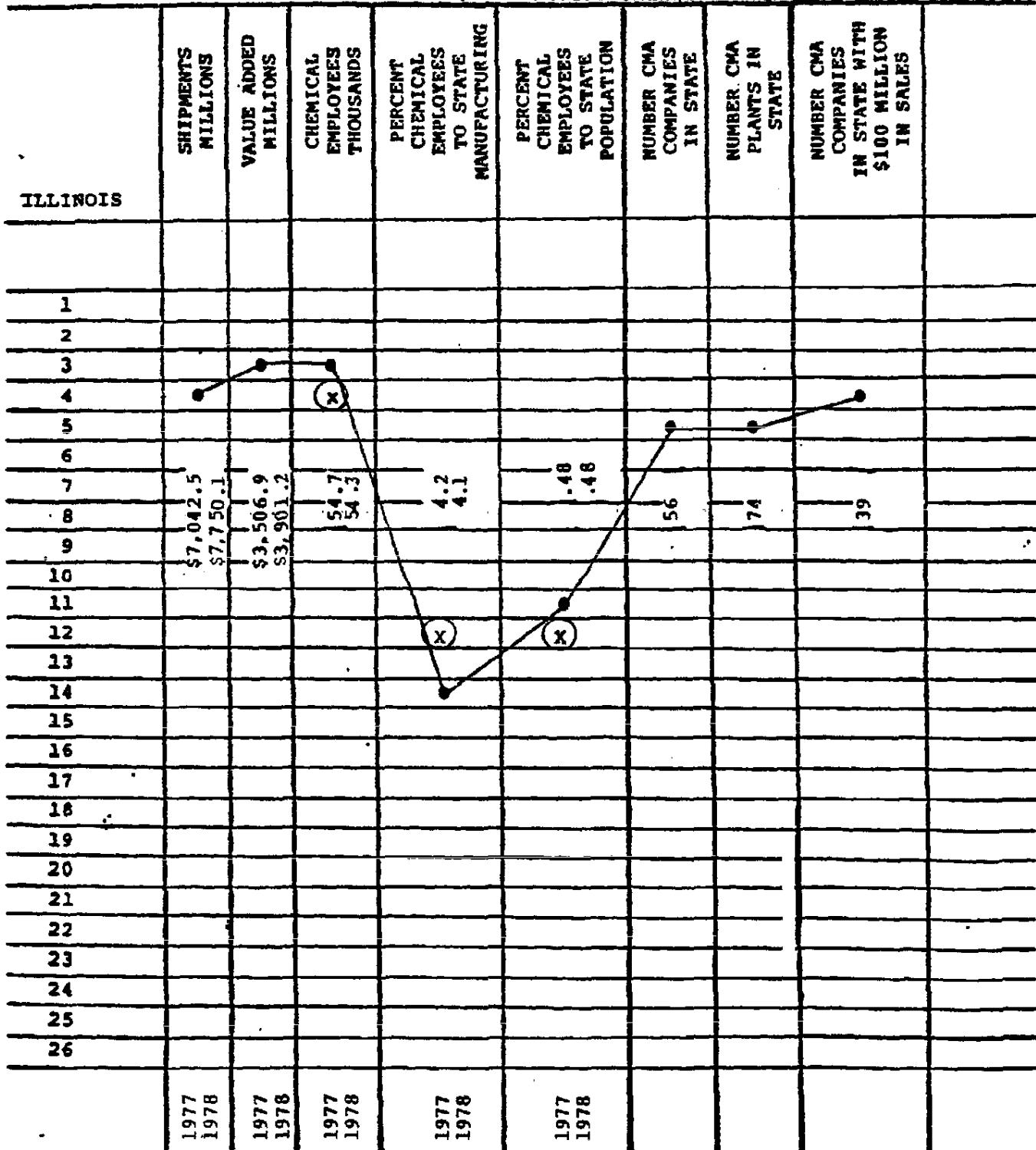
RANKING PER STATE - TOP 26

("X" denotes change in rank from 1977 to 1978)



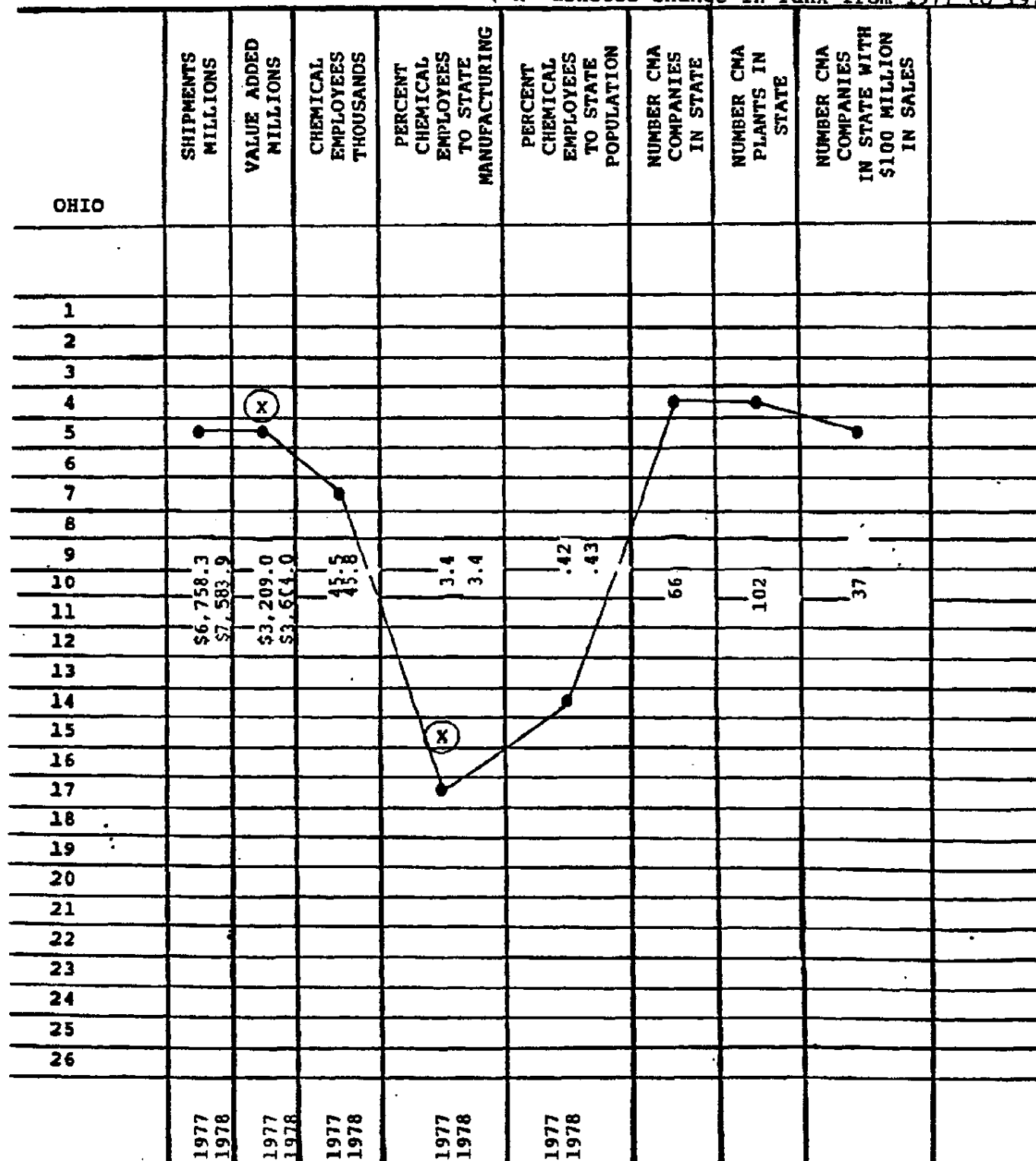
RANKING PER STATE - TOP 26

("X" denotes change in ran. from 1977 to 1978)



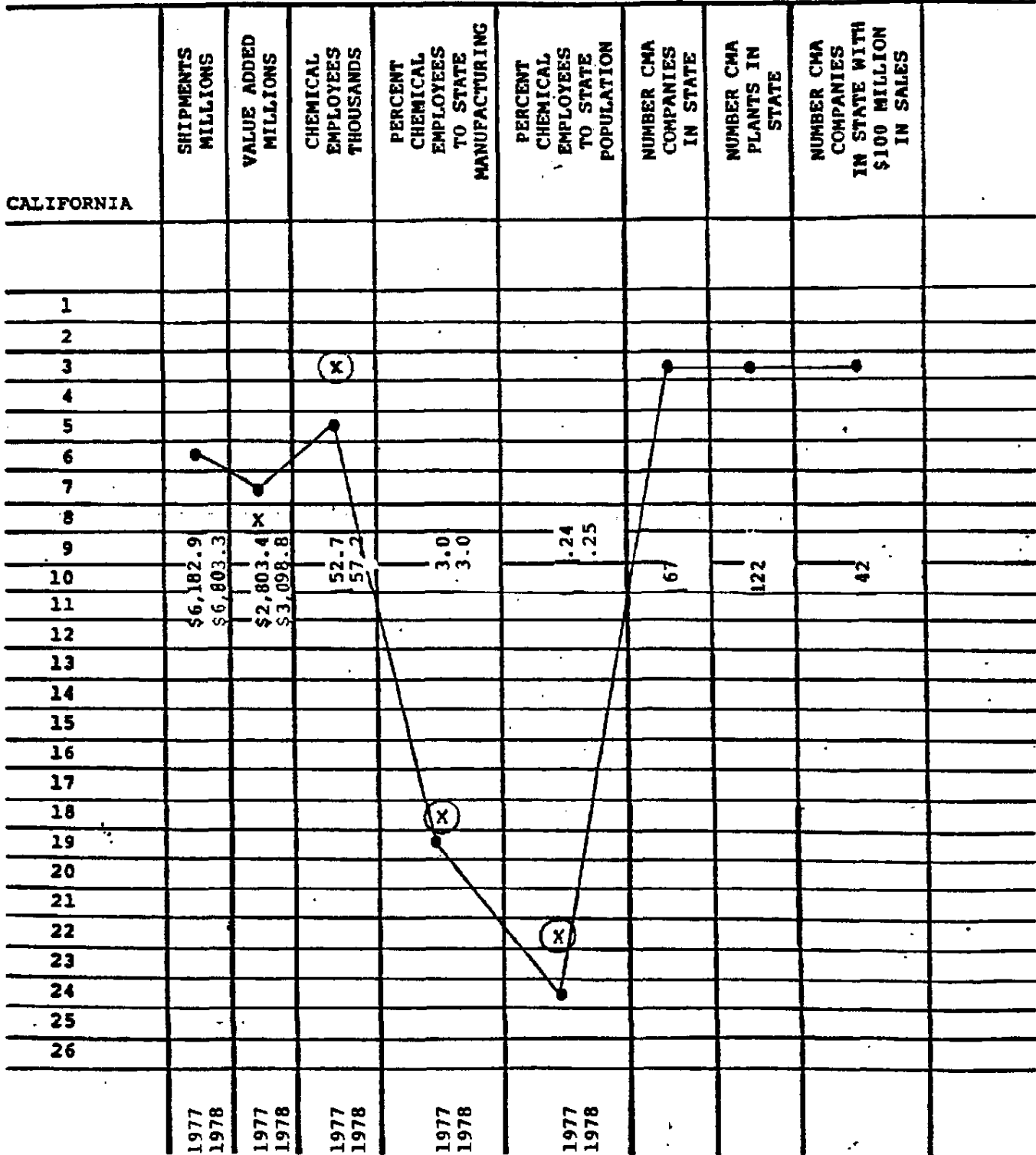
RANKING PER STATE - TOP 26

("X" denotes change in rank from 1977 to 1978)



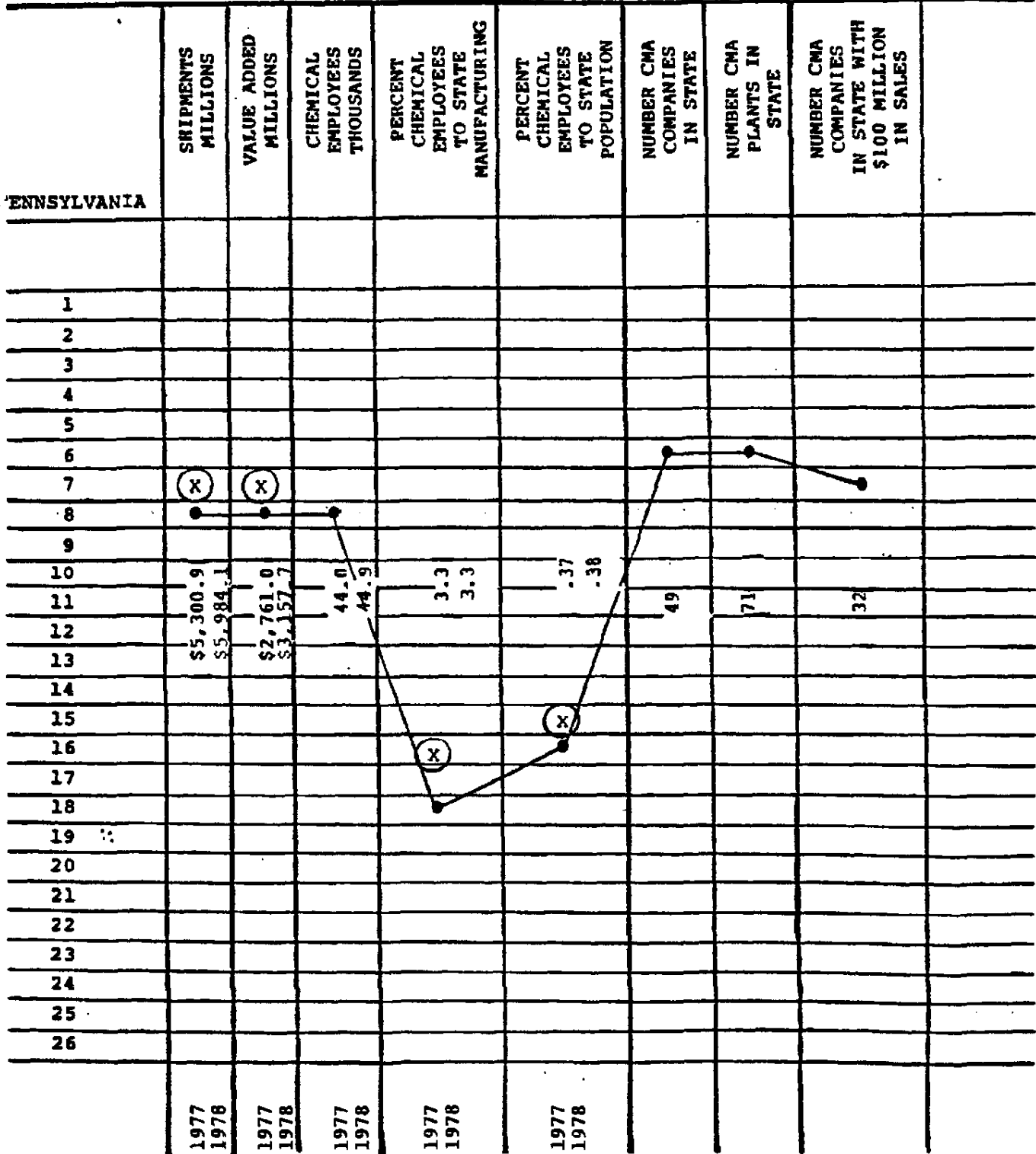
RANKING PER STATE - TOP 26.

("X" denotes change in rank from 1977 to 1978)



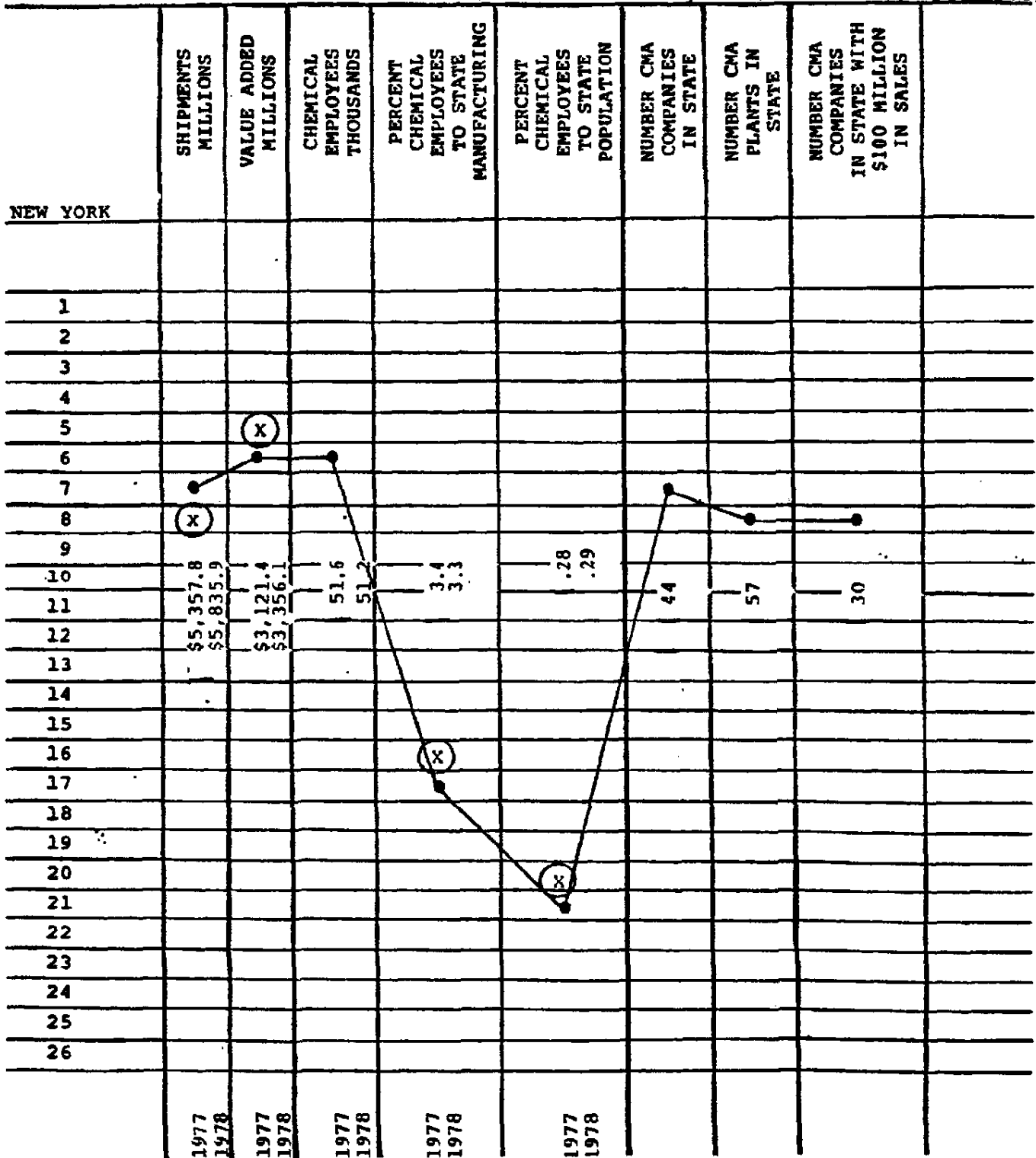
RANKING PER STATE - TOP 26

(*X* denotes change in rank from 1977 to 1978)



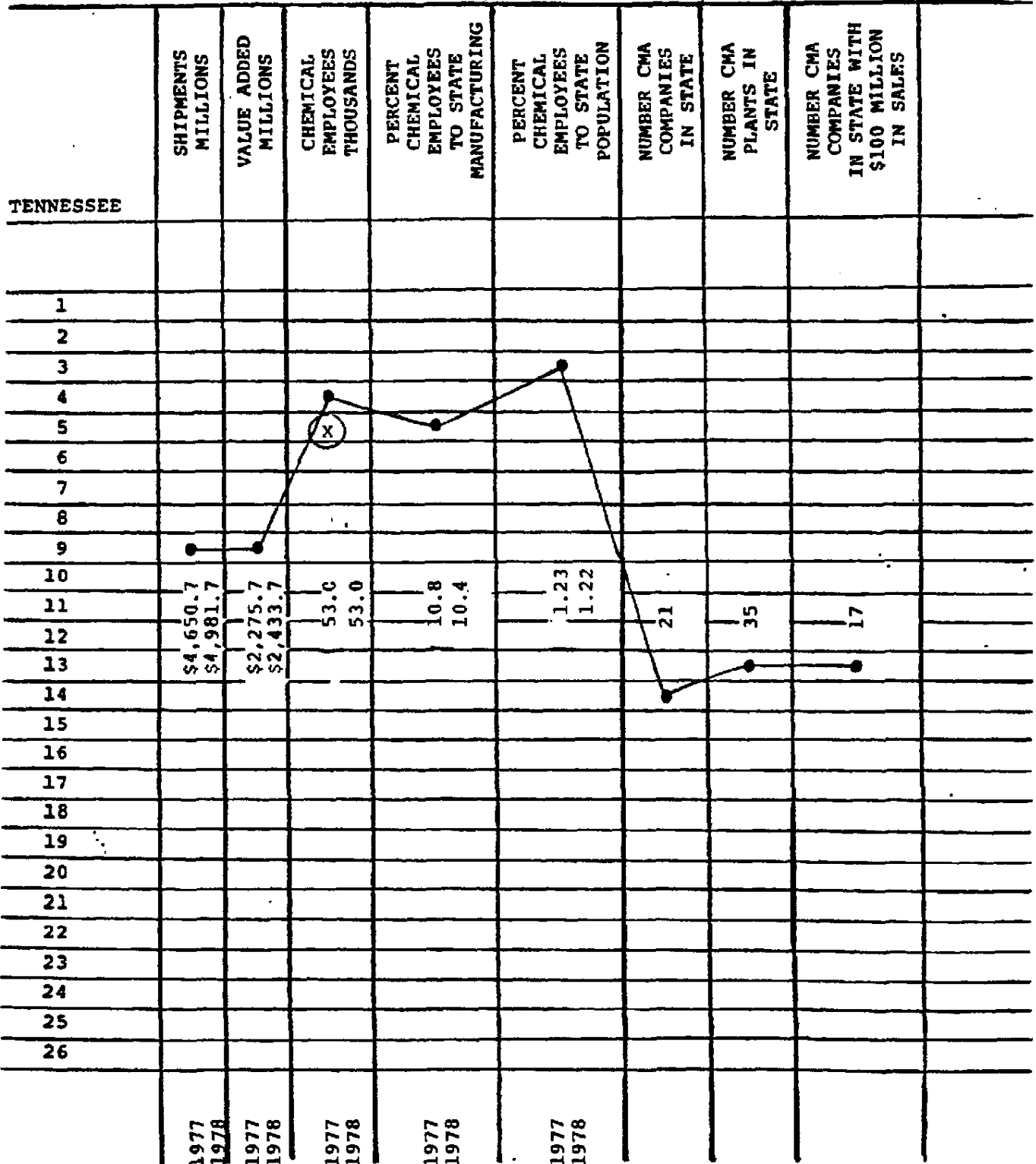
RANKING PER STATE - TOP 26

("X" denotes change in rank from 1977 to 1978)



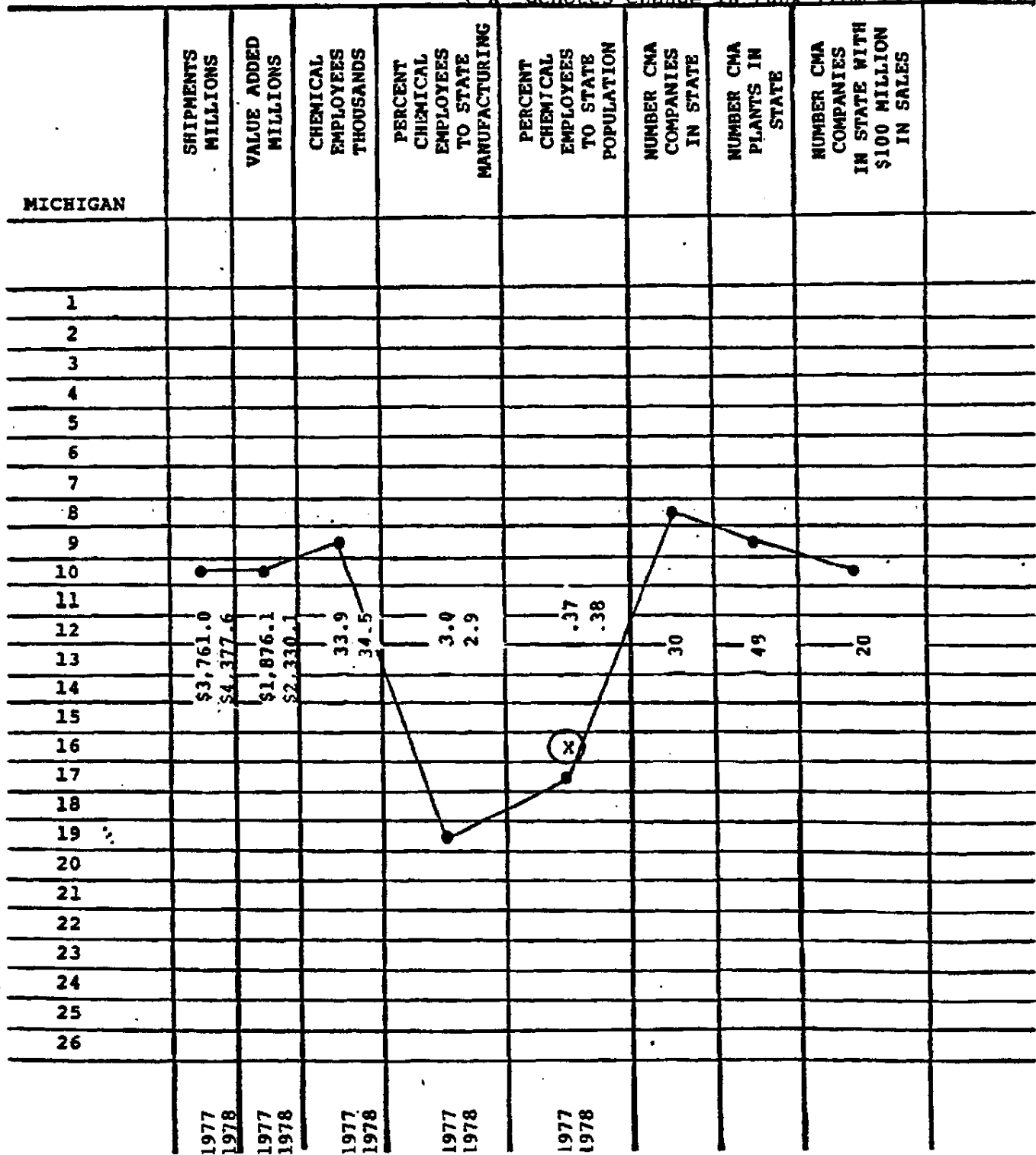
RANKING PER STATE - TOP 26

("X" denotes change in rank from 1977 to 1978)



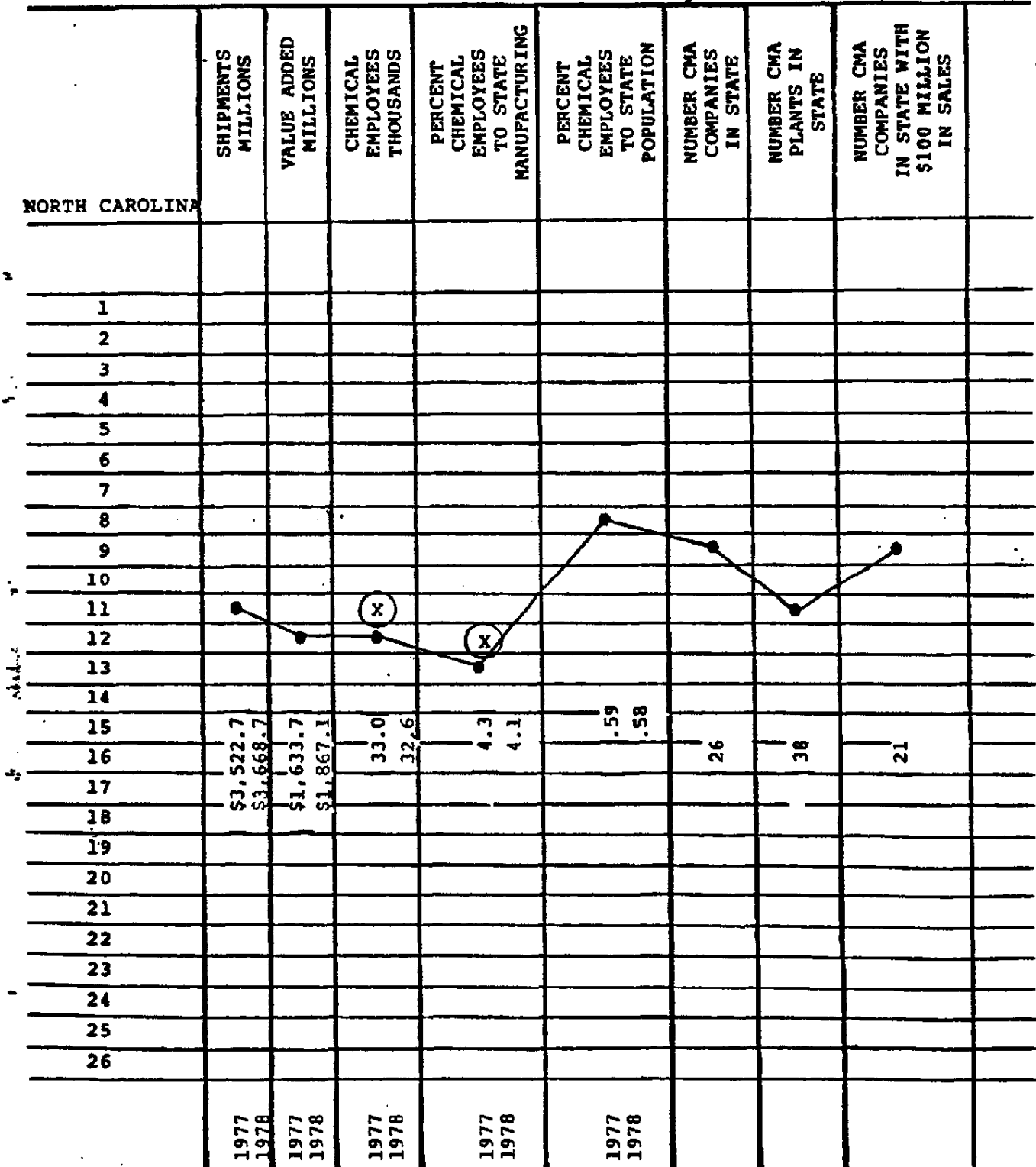
RANKING PER STATE - TOP 26

(*X* denotes change in rank from 1977 to 1978)



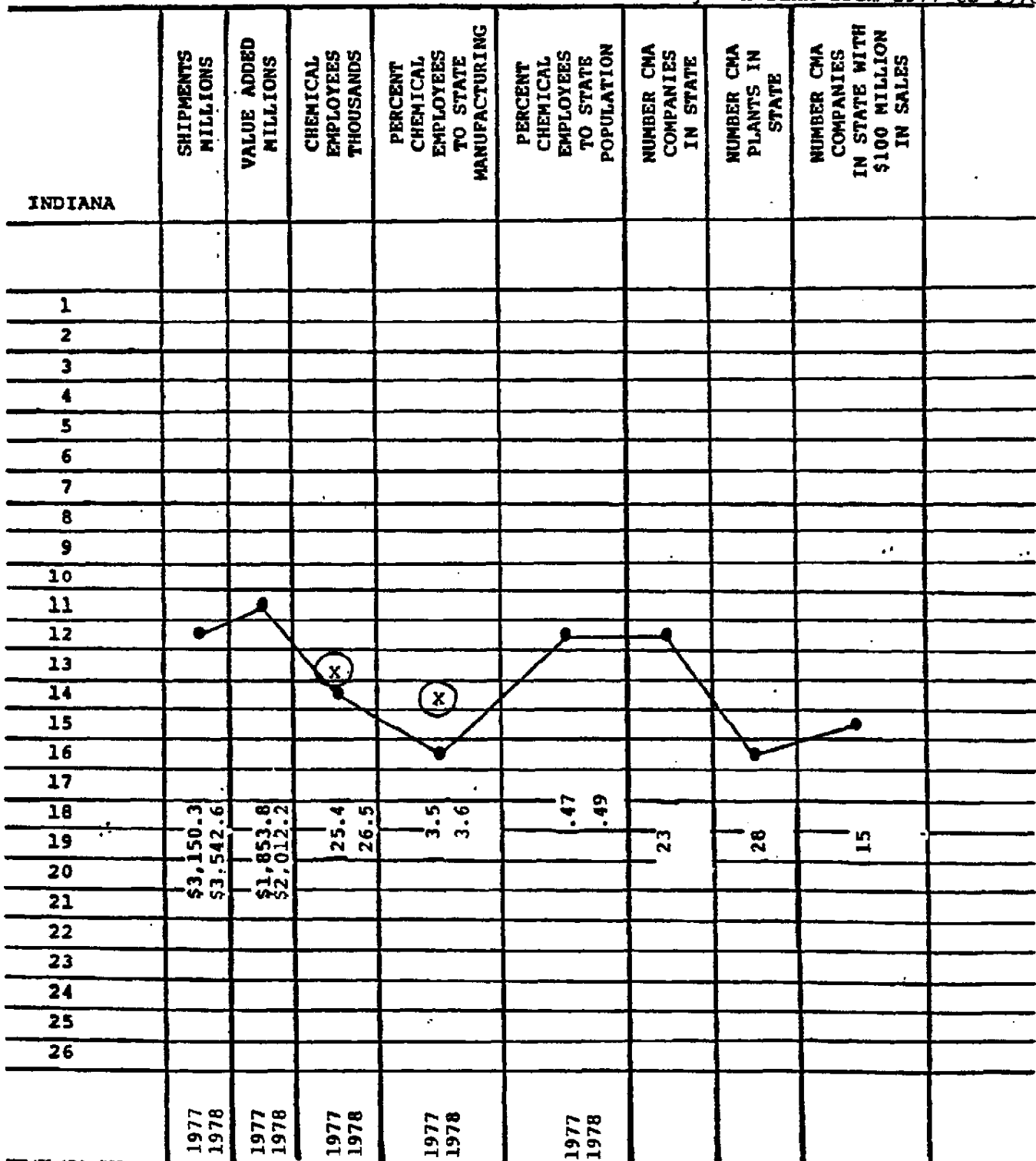
RANKING PER STATE - TOP 26

("X" denotes change in rank from 1977 to 1978)



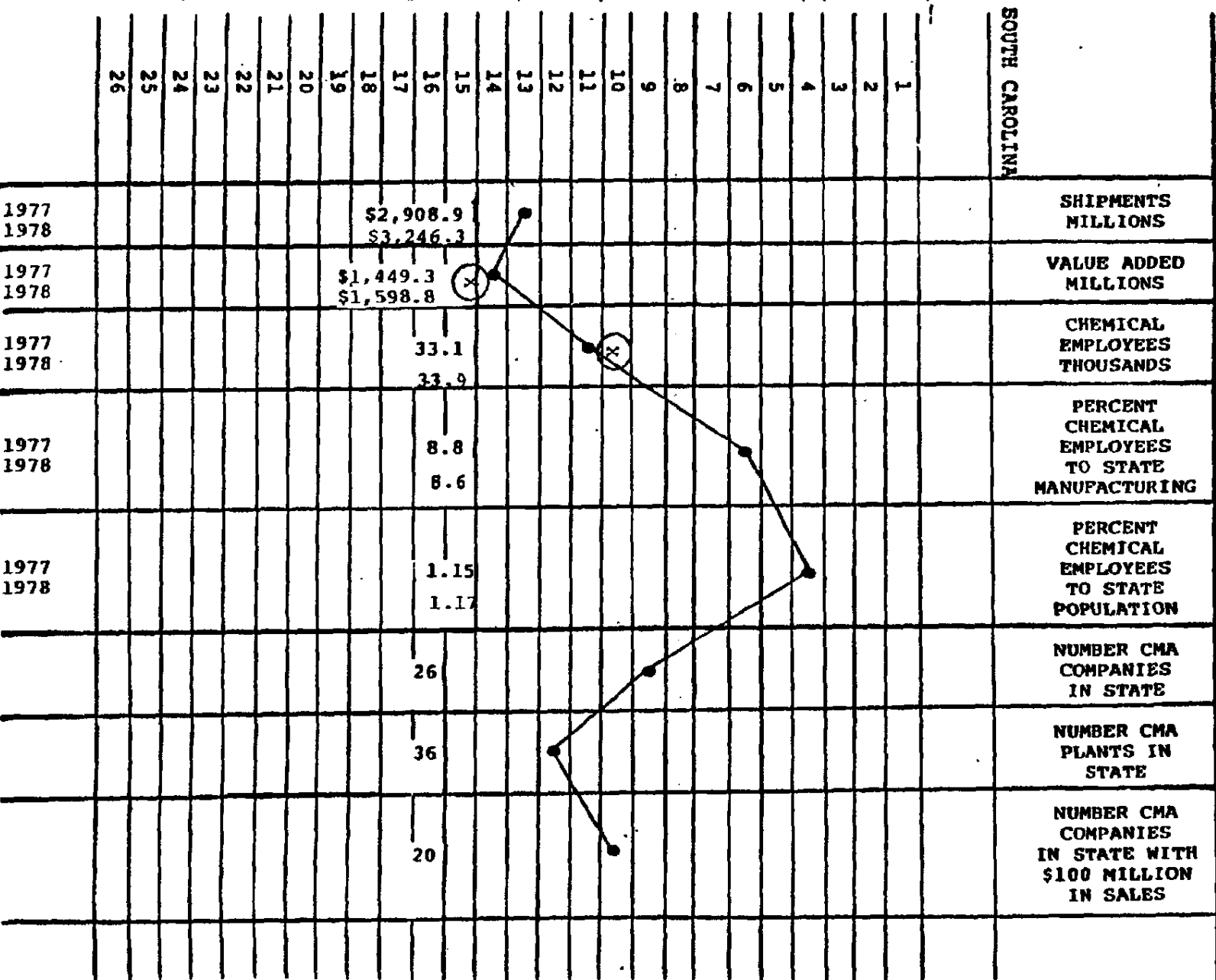
RANKING PER STATE - TOP 26

("X" denotes change in rank from 1977 to 1978)



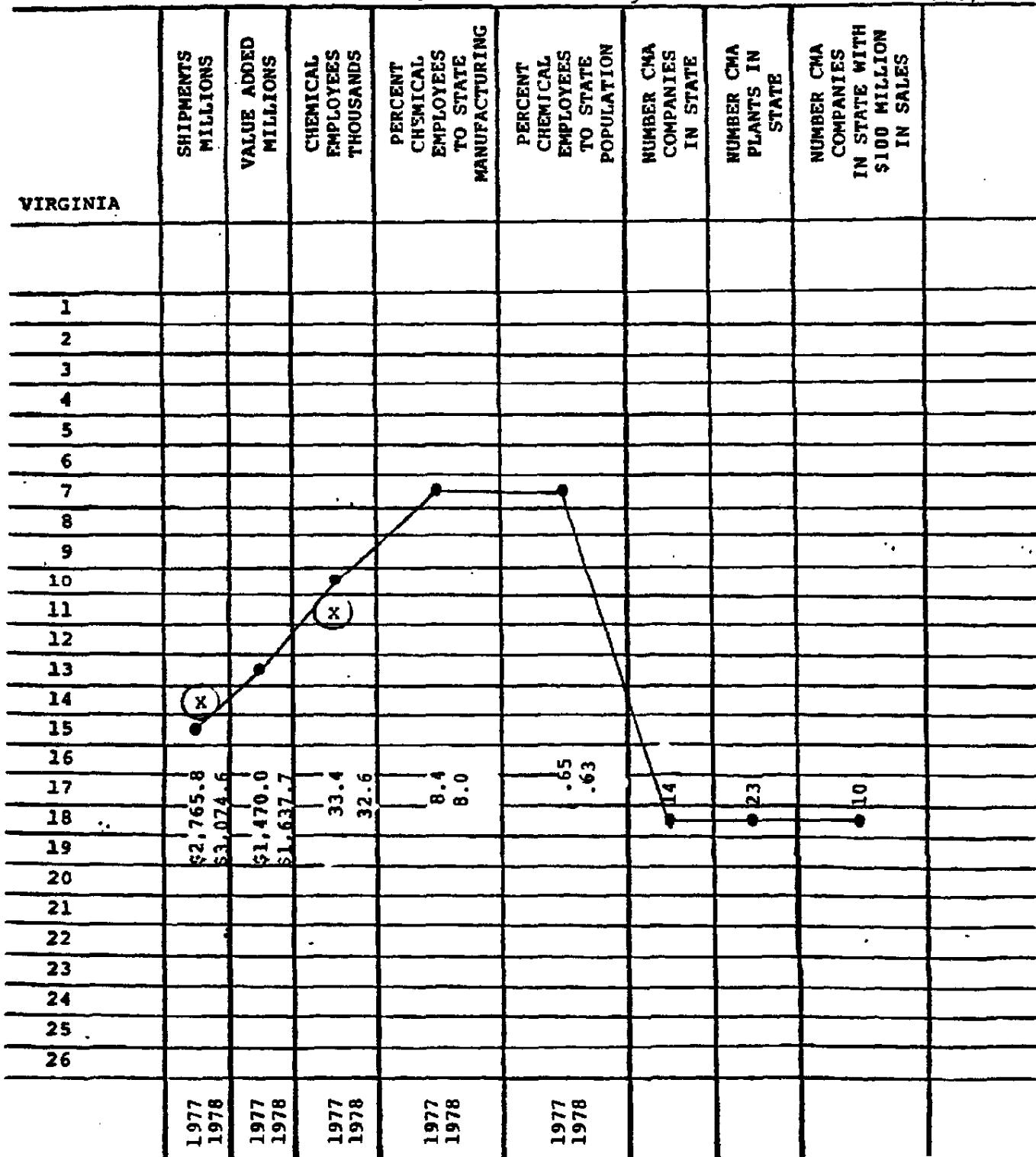
RANKING PER STATE - TOP 26

("X" denotes change in rank from 1977 to 1978)



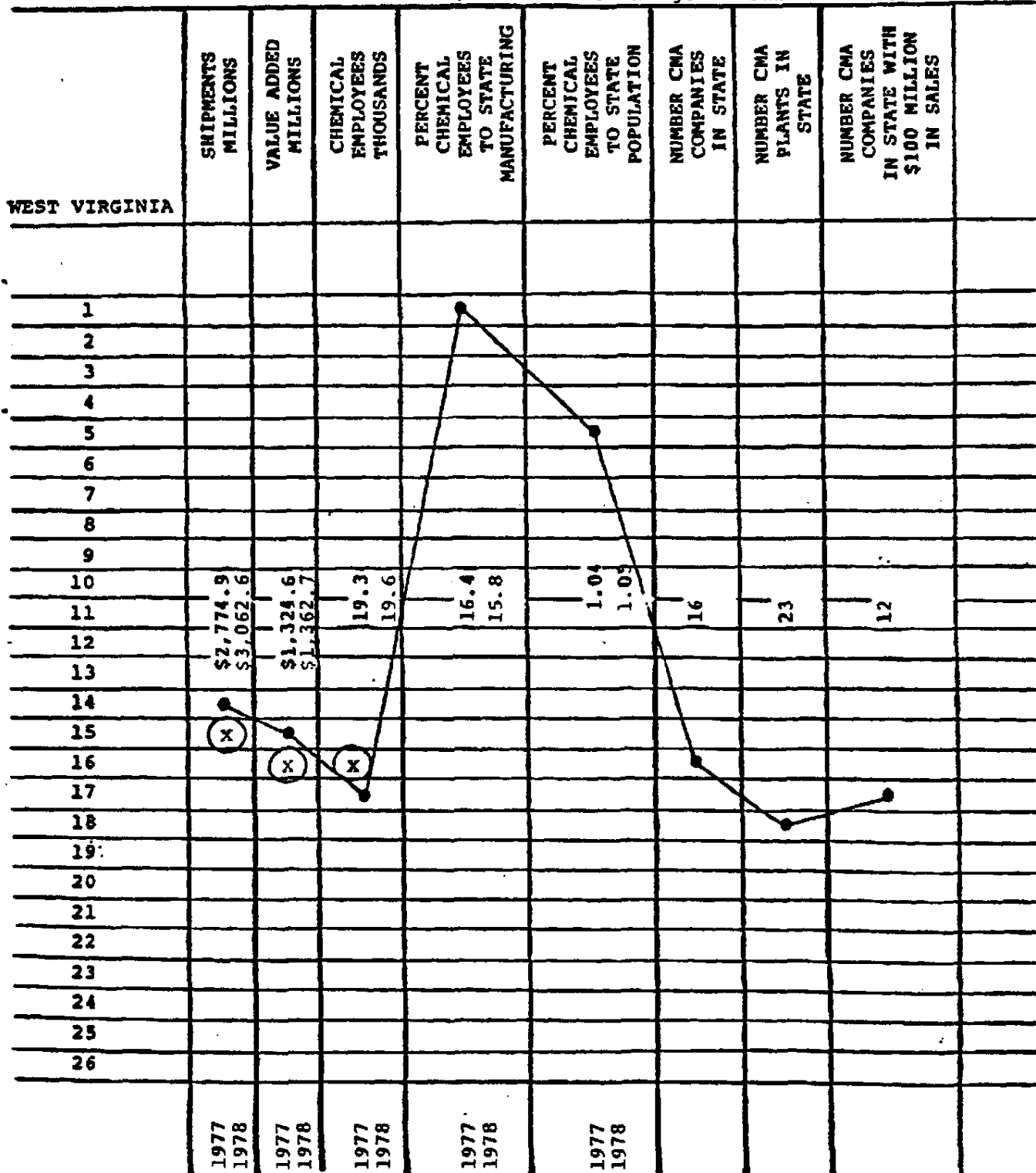
RANKING PER STATE - TOP 26

("X" denotes change in rank from 1977 to 1978)



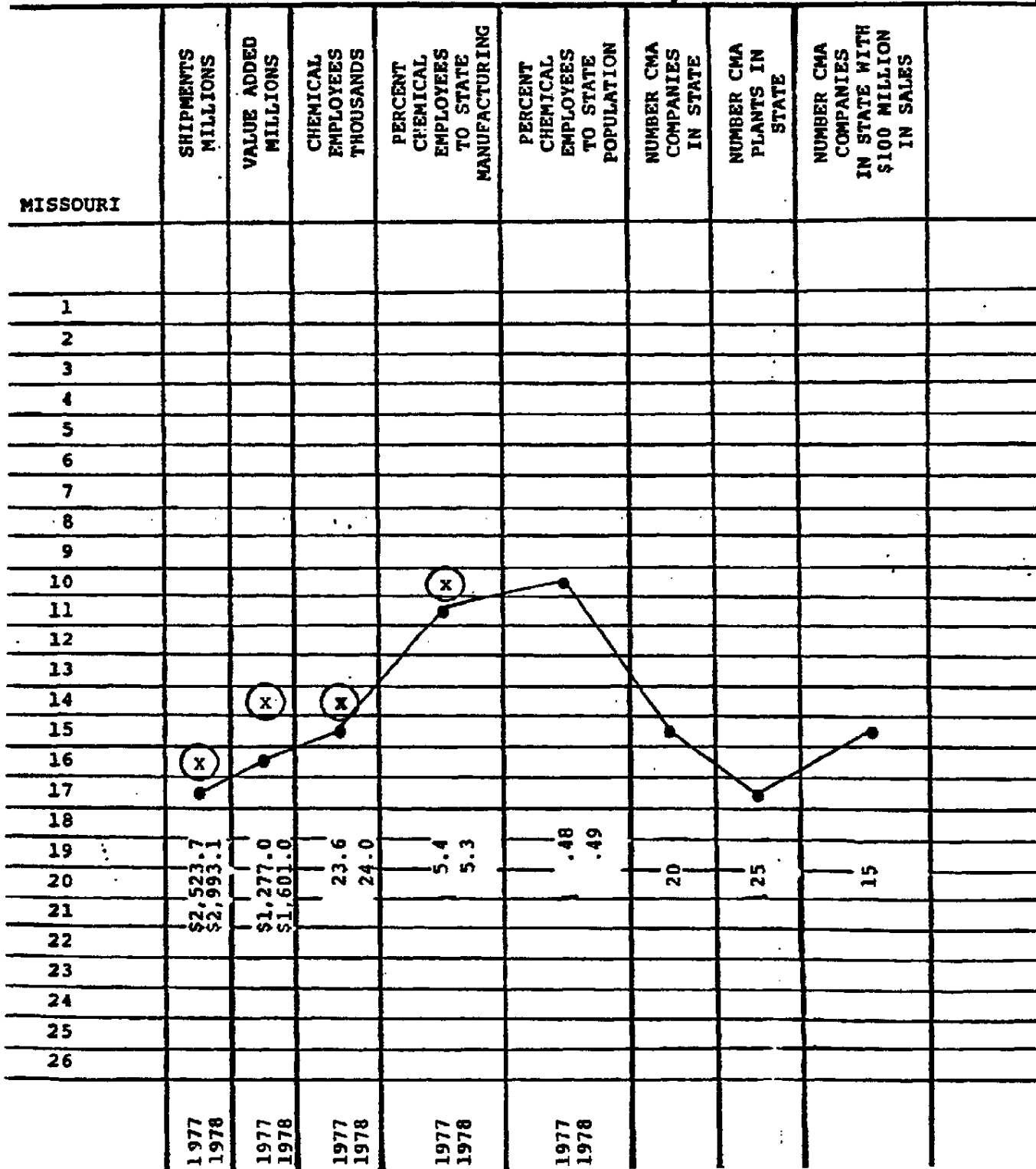
RANKING PER STATE - TOP 26

(*X* denotes change in rank from 1977 to 1978)



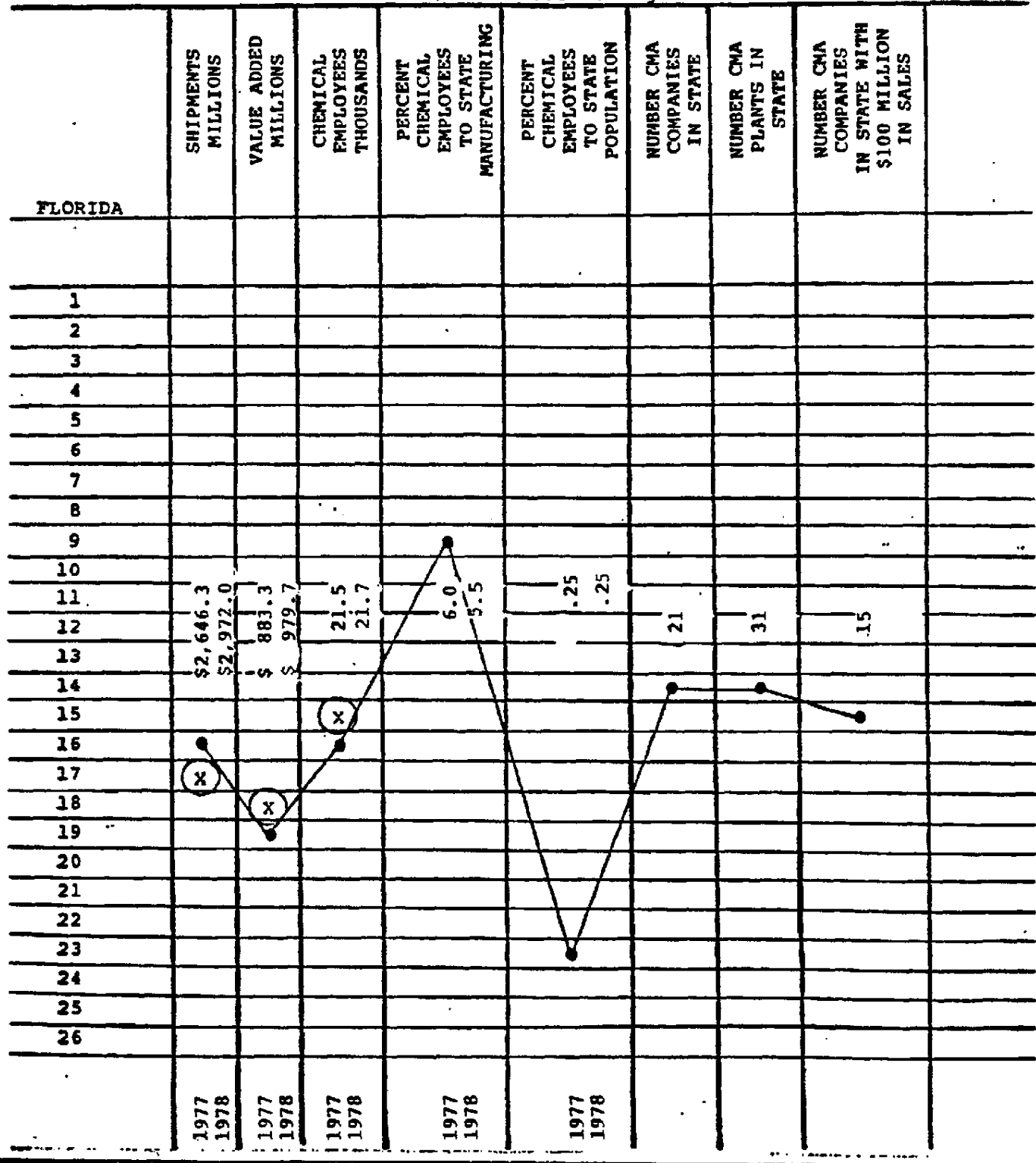
RANKING PER STATE - TOP 26

("X" denotes change in rank from 1977 to 1978)



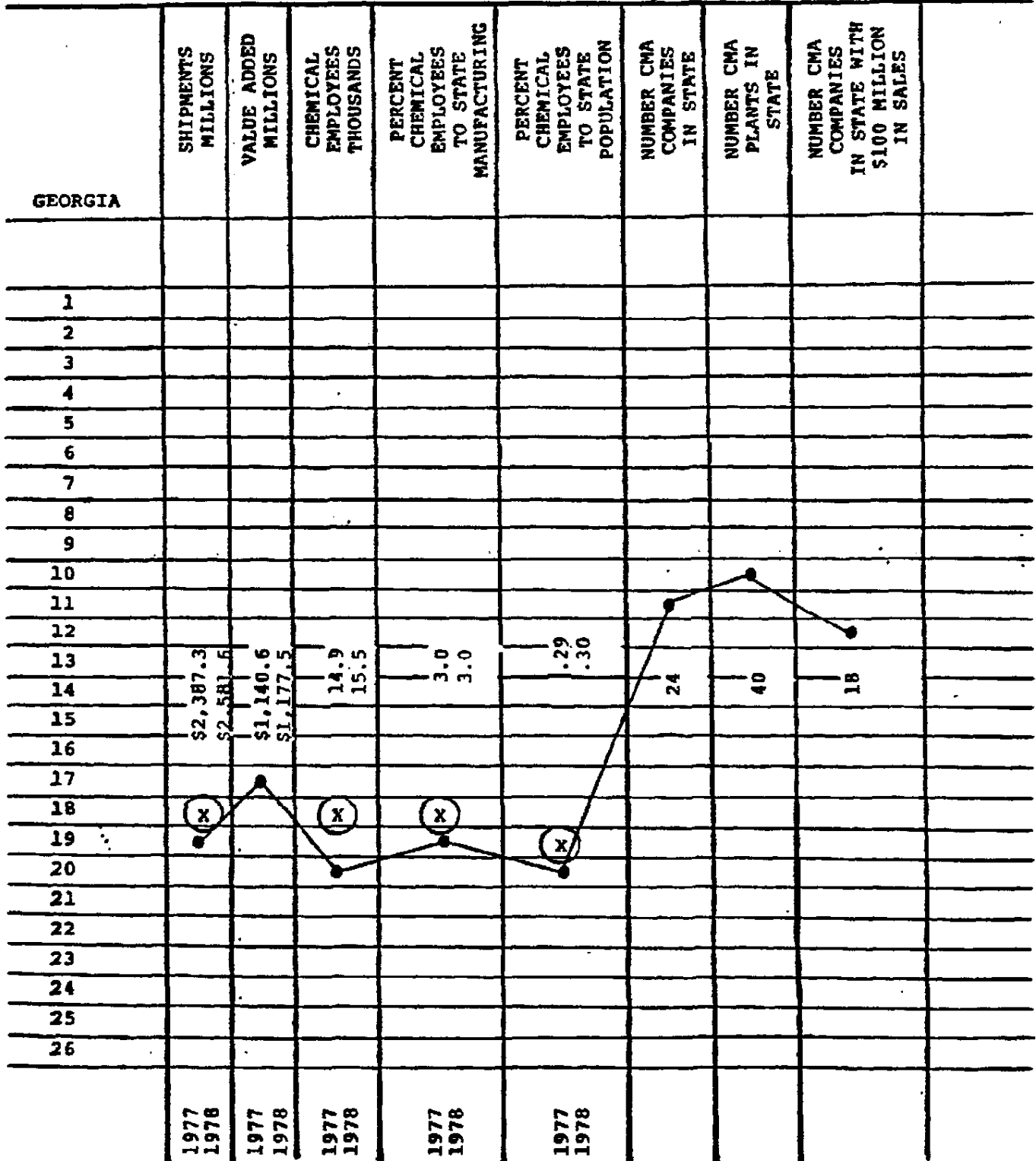
RANKING PER STATE - TOP 26

("X" denotes change in rank from 1977 to 1978)



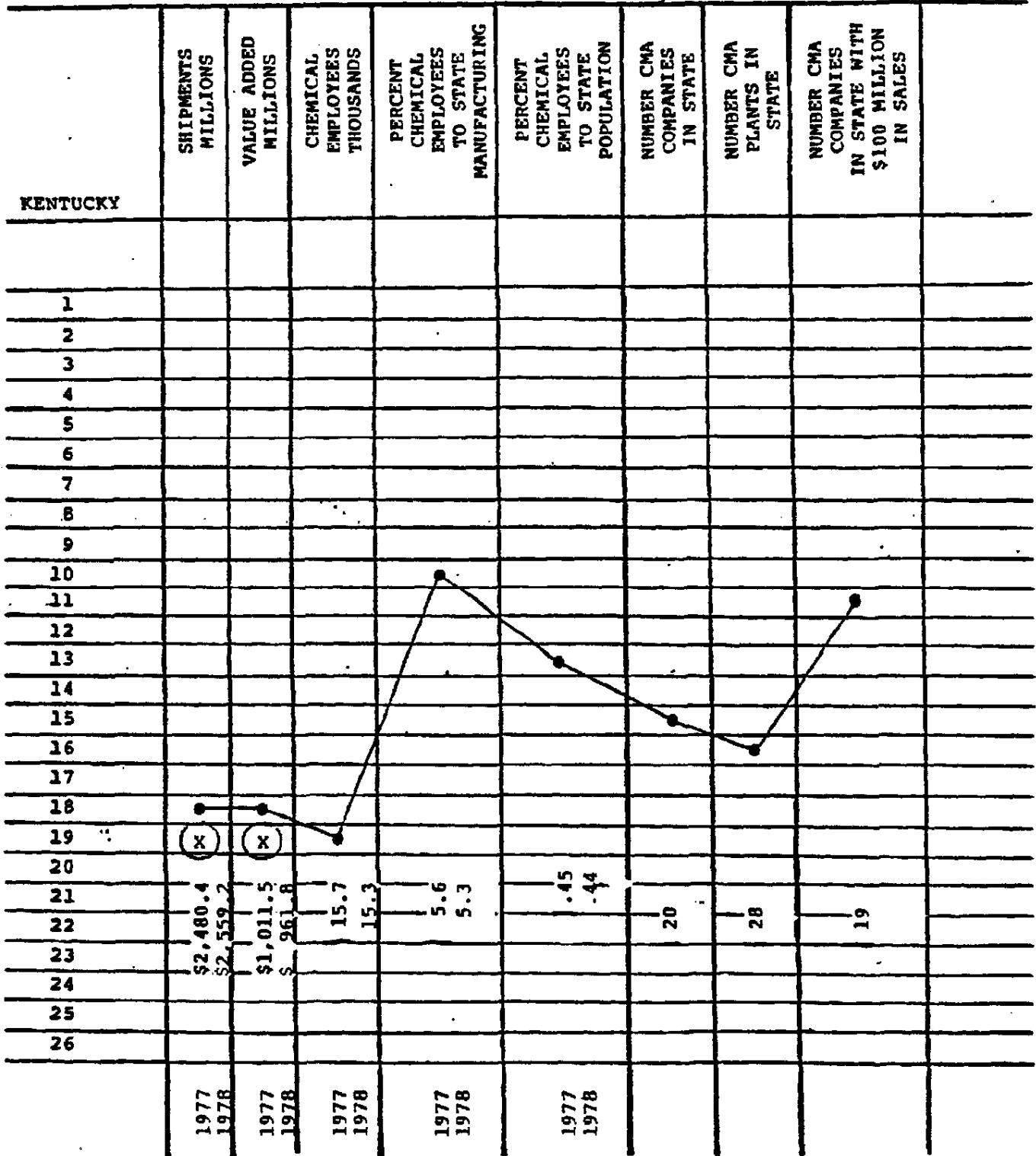
RANKING PER STATE - TOP 26

("X" denotes change in rank from 1977 to 1978)



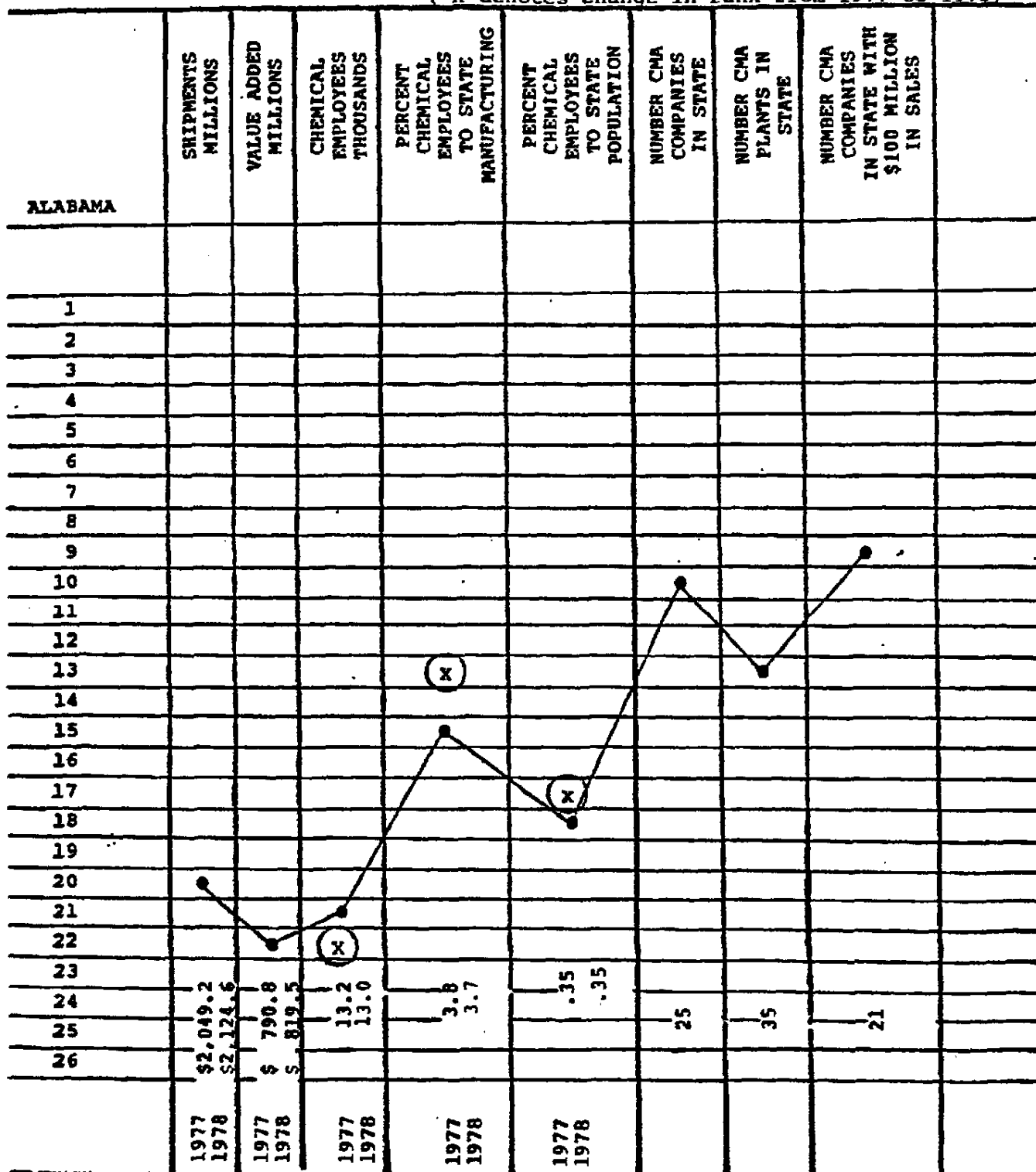
RANKING PER STATE - TOP 26

("X" denotes change in rank from 1977 to 1978)



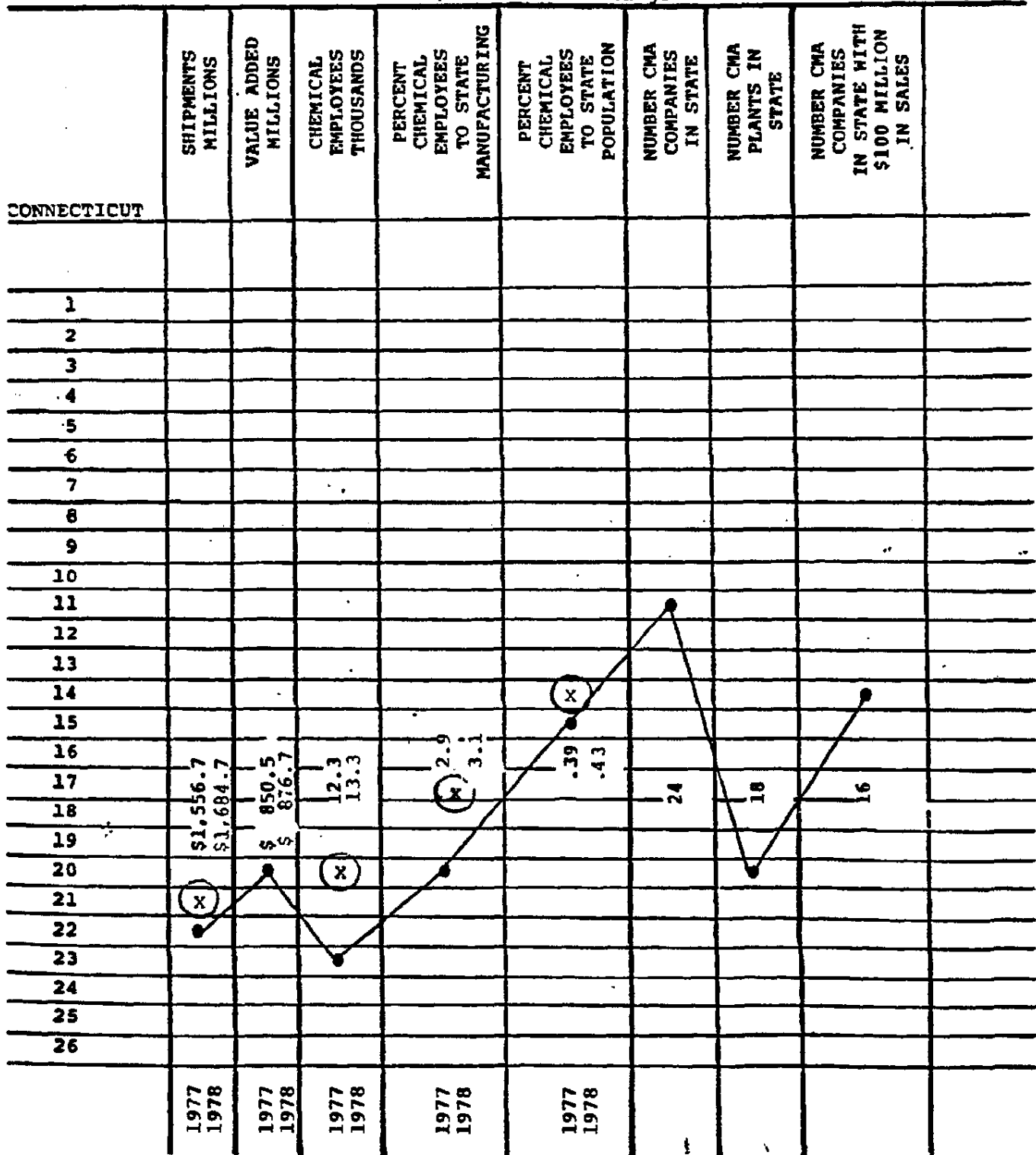
RANKING PER STATE - TOP 26

("X" denotes change in rank from 1977 to 1978)



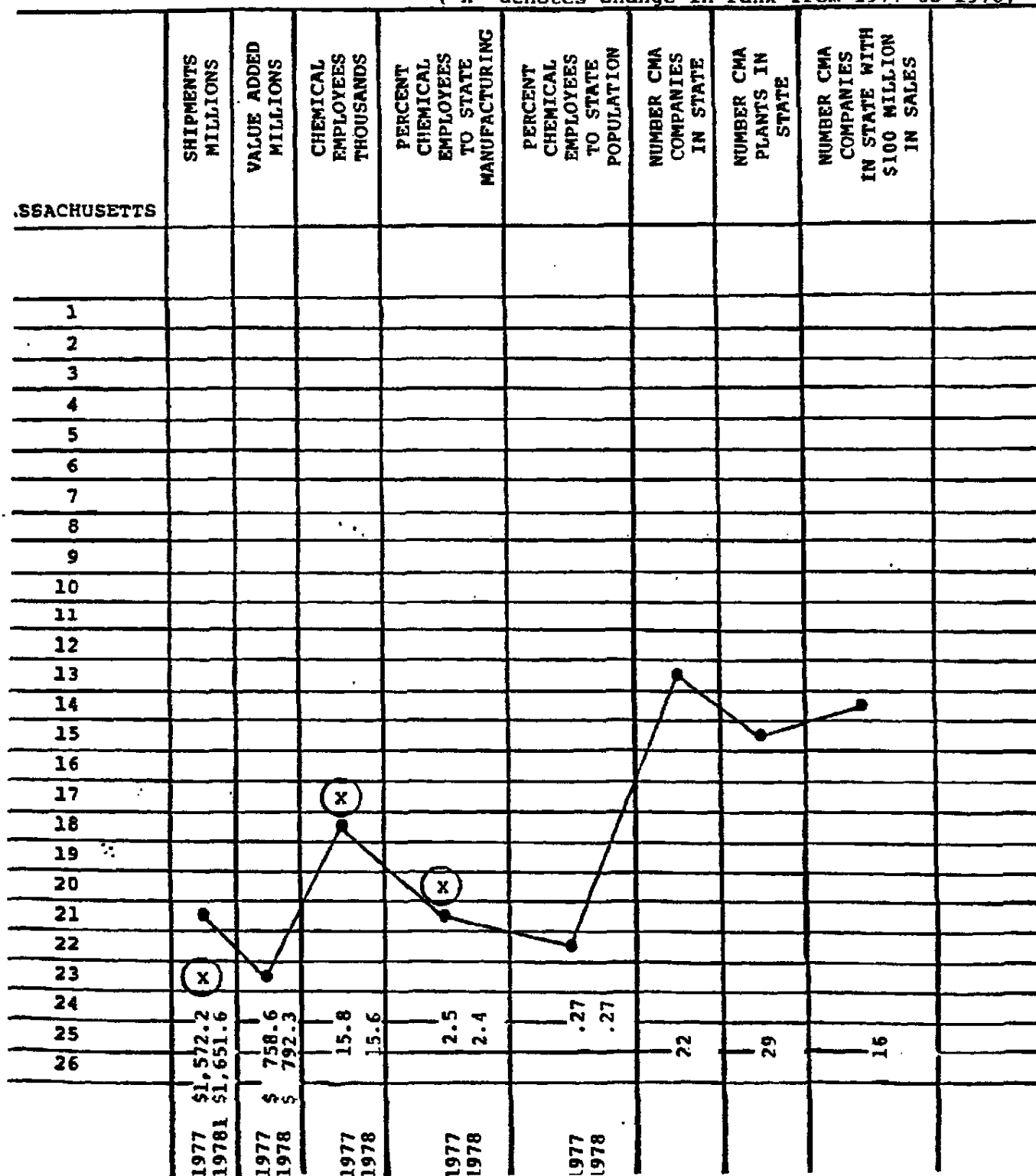
RANKING PER STATE - TOP 26

("X" denotes change in rank from 1977 to 1978)



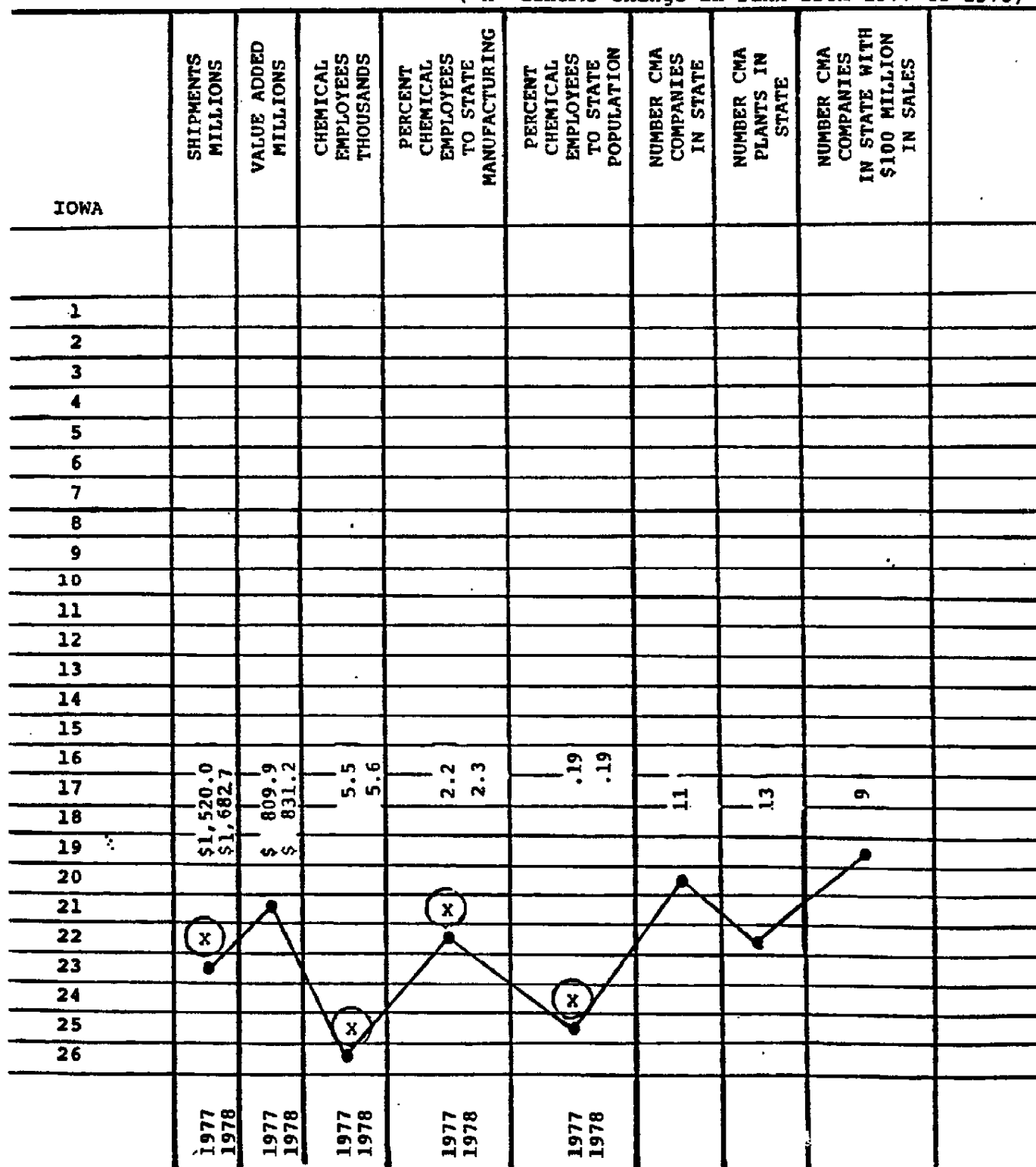
RANKING PER STATE - TOP 26

(*X" denotes change in rank from 1977 to 1978)



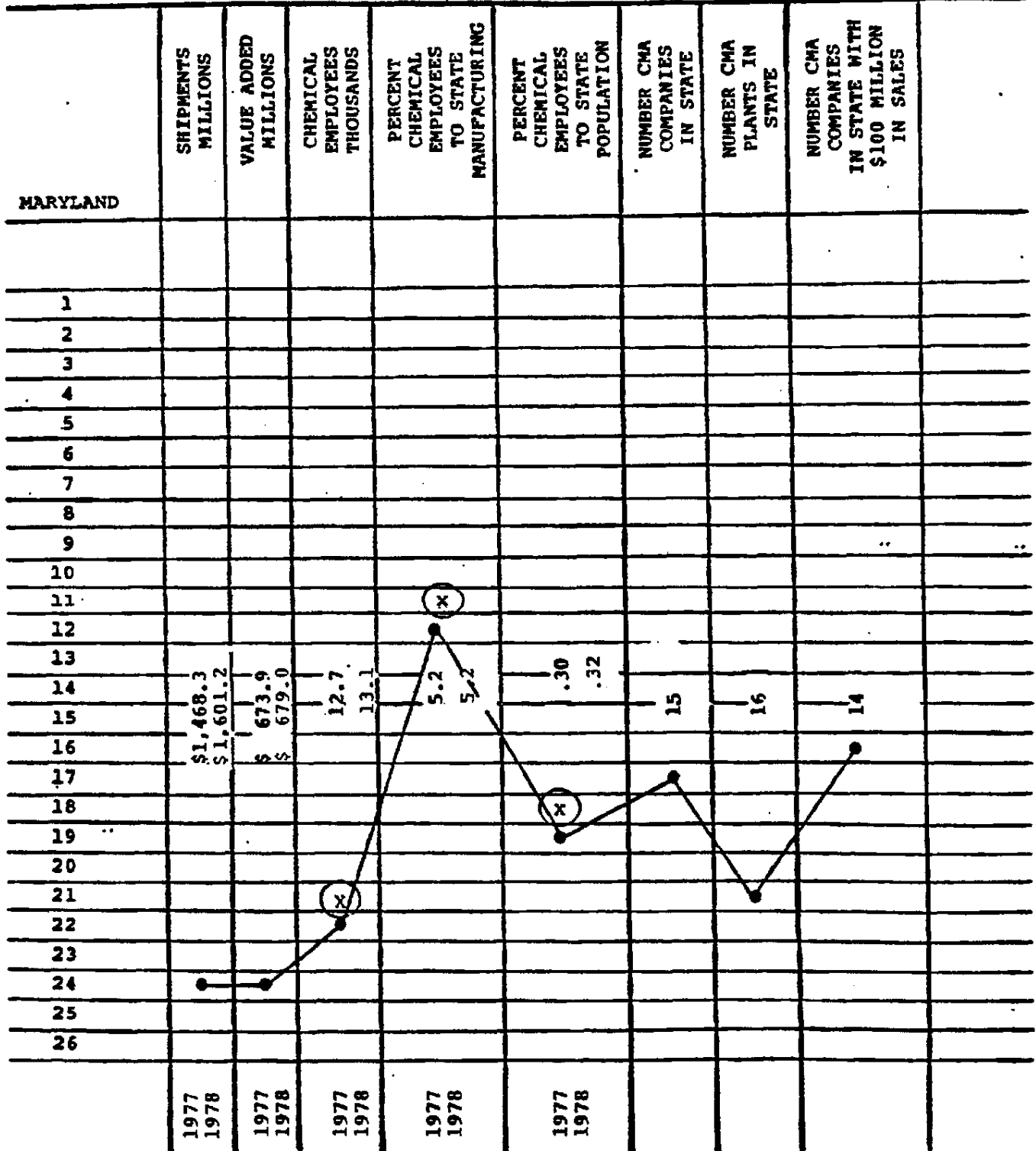
RANKING PER STATE - TOP 26

("X" denotes change in rank from 1977 to 1978)



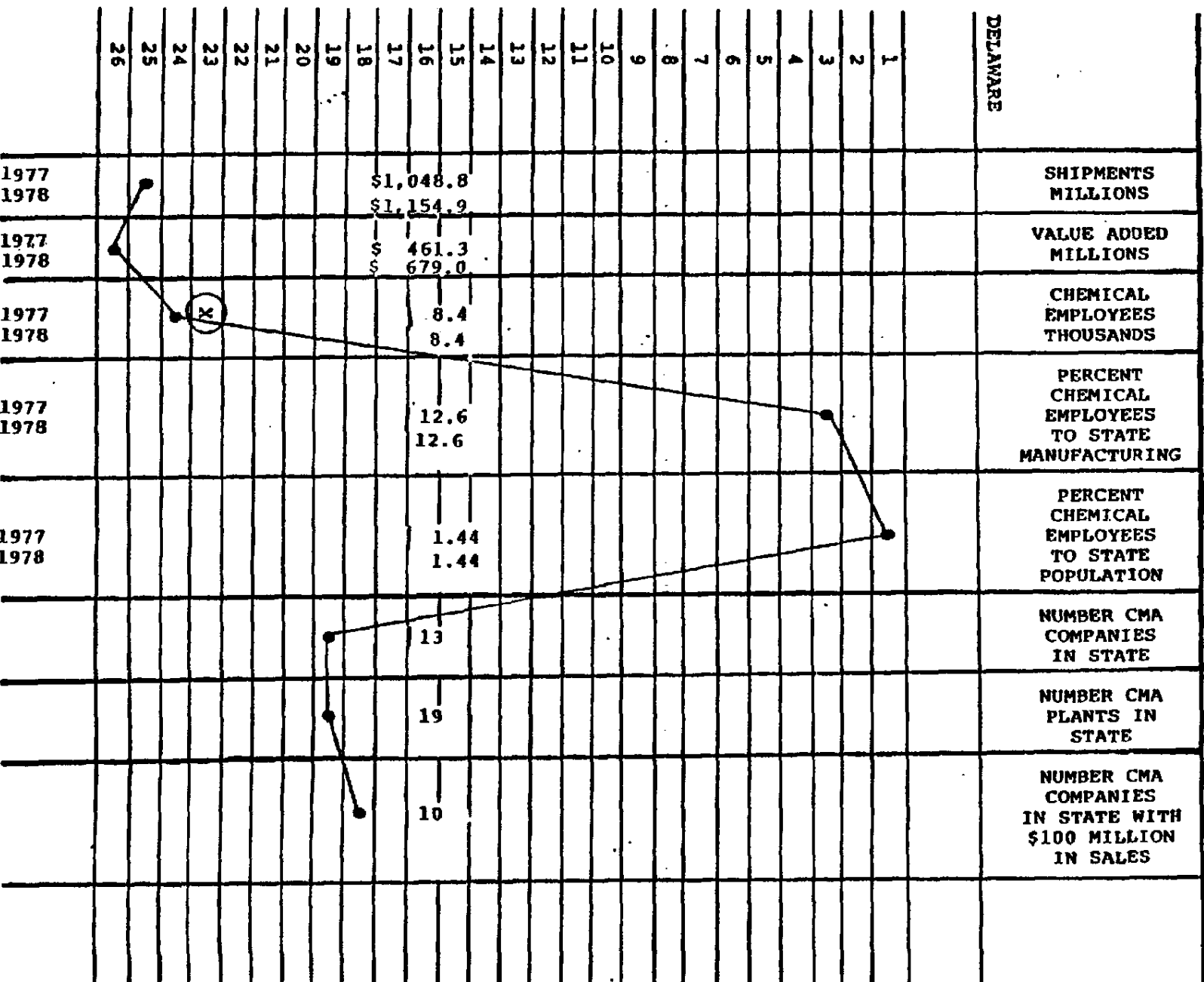
RANKING PER STATE - TOP 26

(*X* denotes change in rank from 1977 to 1978)



RANKING PER STATE - TOP 26

("X" denotes change in rank from 1977 to 1978)



RANKING PER STATE - TOP 26

("X" denotes change in rank from 1977 to 1978)

WISCONSIN	SHIPMENTS MILLIONS	VALUE ADDED MILLIONS	CHEMICAL EMPLOYEES THOUSANDS	PERCENT CHEMICAL EMPLOYEES TO STATE MANUFACTURING	PERCENT CHEMICAL EMPLOYEES TO STATE POPULATION	NUMBER CMA COMPANIES IN STATE	NUMBER CMA PLANTS IN STATE	NUMBER CMA COMPANIES IN STATE WITH \$100 MILLION IN SALES
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								
26								
	1977 1978	1977 1978	1977 1978	1977 1978	1977 1978			

ANALYSIS OF 18 ADDITIONAL STATES
(following the top 26)
OF THE CHEMICAL INDUSTRY
1978
UNDER SIC 28
BUREAU OF CENSUS, DEPARTMENT OF COMMERCE
AND
CHEMICAL MANUFACTURERS ASSOCIATION

STATE	VALUE OF SHIPMENTS		VALUE ADDED IN MANUFACTURING		CHEMICAL EMPLOYEES		CHEM. EMPLOYEES TO TOTAL IN REG.		CHEM. EMPLOYEES TO STATE POPULATION		ESTIMATED CMA MEMBERS IN STATE		ESTIMATED CMA PLANTS IN STATE		CMA MEMBERS WITH \$100 MILLION+ SALES	
	RANK	(BILLION \$)	RANK	(BILLION \$)	RANK	(THOUSAND)	RANK	PERCENT	RANK	PERCENT	RANK	NUMBER	RANK	NUMBER	RANK	NUMBER
KS	1	1,124.2	1	493.2	1	7.3	4	3.9	1	.311	4	12	3	14	3	12
MS	2	914.0	2	427.7	2	6.6	7	3.0	2	.274	3	13	3	14	3	12
MN	3	684.9	5	340.5	4	5.0	14	1.4	9	.124	5	10	6	9	5	8
WA	4	660.7	3	420.4	1	7.3	10	2.5	5	.192	1	23	1	26	1	16
AR	5	444.1	4	379.0	3	6.5	6	3.1	4	.210	2	16	2	20	2	13
ND	6	438.7	6	237.1	6	2.4	9	2.6	7	.153	9	4	9	4	7	4
ID	7	416.3	7	203.1	8	2.4	3	4.2	3	.272	8	5	7	5	7	4
OK	8	364.4	8	150.0	9	1.8	16	1.0	18	.063	6	9	5	10	5	8
OR	9	343.5	10	108.7	6	2.4	15	1.1	10	.098	5	10	4	13	4	10
CO	10	301.8	8	150.0	5	2.6	13	1.6	11	.096	7	6	7	6	6	5
AZ	11	293.1	9	146.7	8	2.1	12	1.7	14	.088	10	3	10	3	8	3
UT	12	NA*	11	NA*	7	NA*	8	NA*	6	NA*	7	6	6	9	1	4
NV	13	113.1	15	57.1	10	1.0	1	5.7	8	.150	11	2	9	3	9	2
WY	14	106.8	12	71.3	13	.4	2	4.6	12	.094	8	5	7	6	8	3
NE	15	82.6	13	40.9	11	.8	18	.7	16	.073	12	1	11	1	10	1
NH	16	82.0	14	40.3	11	.8	17	.8	13	.092	12	1	11	1	10	1
NM	17	70.0	16	24.8	10	1.0	5	3.6	15	.082	12	1	11	1	10	1
MT	18	59.6	15	28.5	12	.5	11	2.0	17	.064	8	5	8	5	6	5

TOTAL - \$6499.8 5% of Total 1978 Shipments (\$129,357.3)	TOTAL - \$3319.3 5% of Total 1978 Value Added (\$61,305.8)	TOTAL - 50.9 6% of Total 1978 Chem. Employees (996.3)	AVERAGE 2.5	AVERAGE .143	TOTAL 132	TOTAL 150	TOTAL 112
	2% of Total 1978 Shipments	Production per worker at \$127.7 a year Covered with Industry average of \$144.323				In combination with top 26, total is now 1424 out of 1500 CMA plants.	
Total 1980 Shipments: \$161,539.5	Total 1980 Value Added: \$73,395.3	Total 1980 Chem. Employees: 909.7					

* Data not available for 1978.
Rank estimated from other Census sources.

April 1982

AP00004922

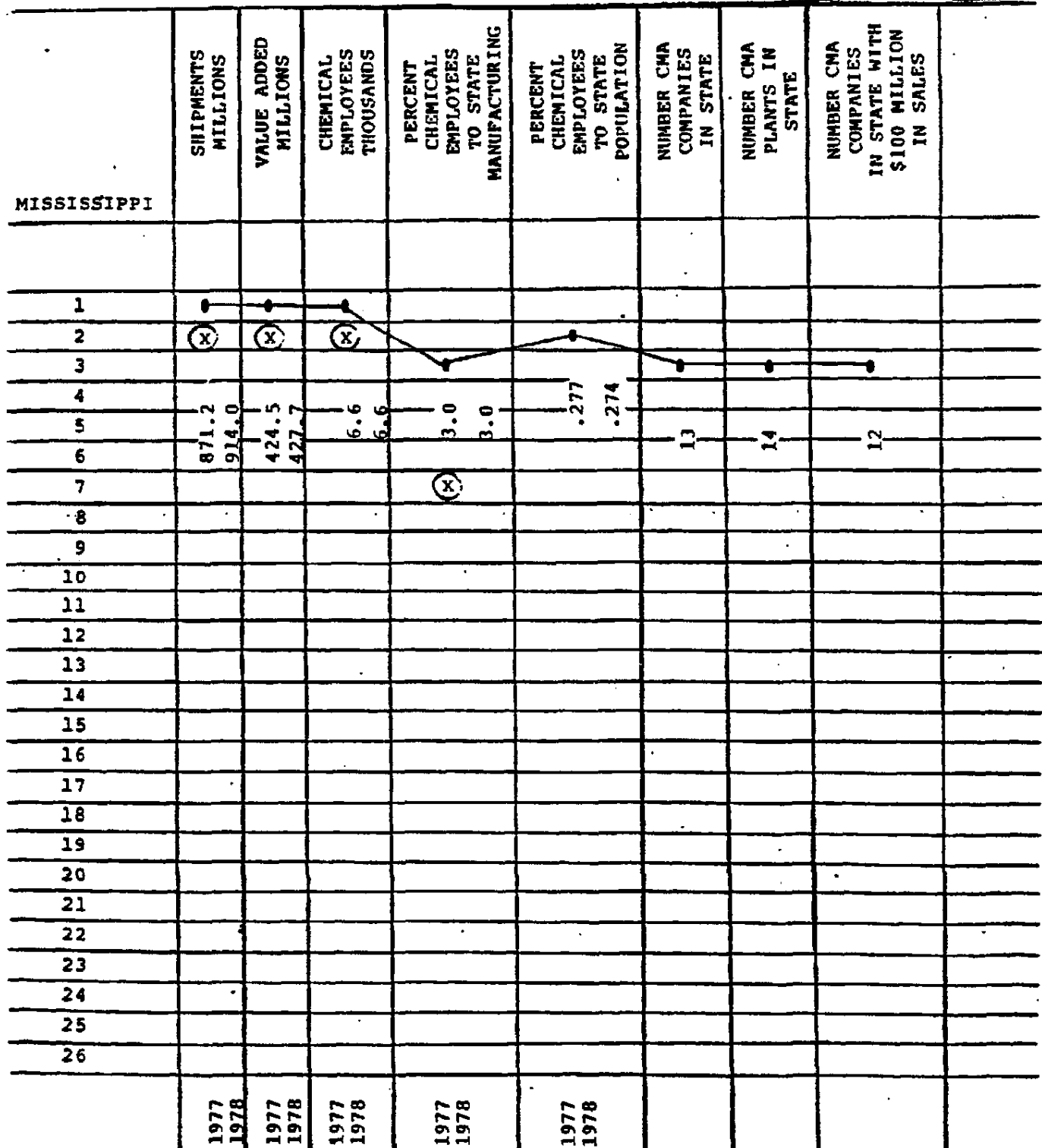
RANKING PER STATE - ADDITIONAL 18

KANSAS		SHIPMENTS MILLIONS	VALUE ADDED MILLIONS	CHEMICAL EMPLOYEES THOUSANDS	PERCENT CHEMICAL EMPLOYEES TO STATE MANUFACTURING	PERCENT CHEMICAL EMPLOYEES TO STATE POPULATION	NUMBER CMA COMPANIES IN STATE	NUMBER CMA PLANTS IN STATE	NUMBER CMA COMPANIES IN STATE WITH \$100 MILLION IN SALES
	1	(X)	(X)	(X)		(X)			
	2						12	14	12
	3	1,124.2	493.2	7.3	3.9	.311	(X)	(X)	(X)
	4				(X)				
	5								
	6								
	7								
	8								
	9								
	10								
	11								
	12								
	13								
	14								
	15								
	16								
	17								
	18								
	19								
	20								
	21								
	22								
	23								
	24								
	25								
	26								
1978									
1978									
1978									
1978									
1978									
1978									
1978									
1978									

AP00004923

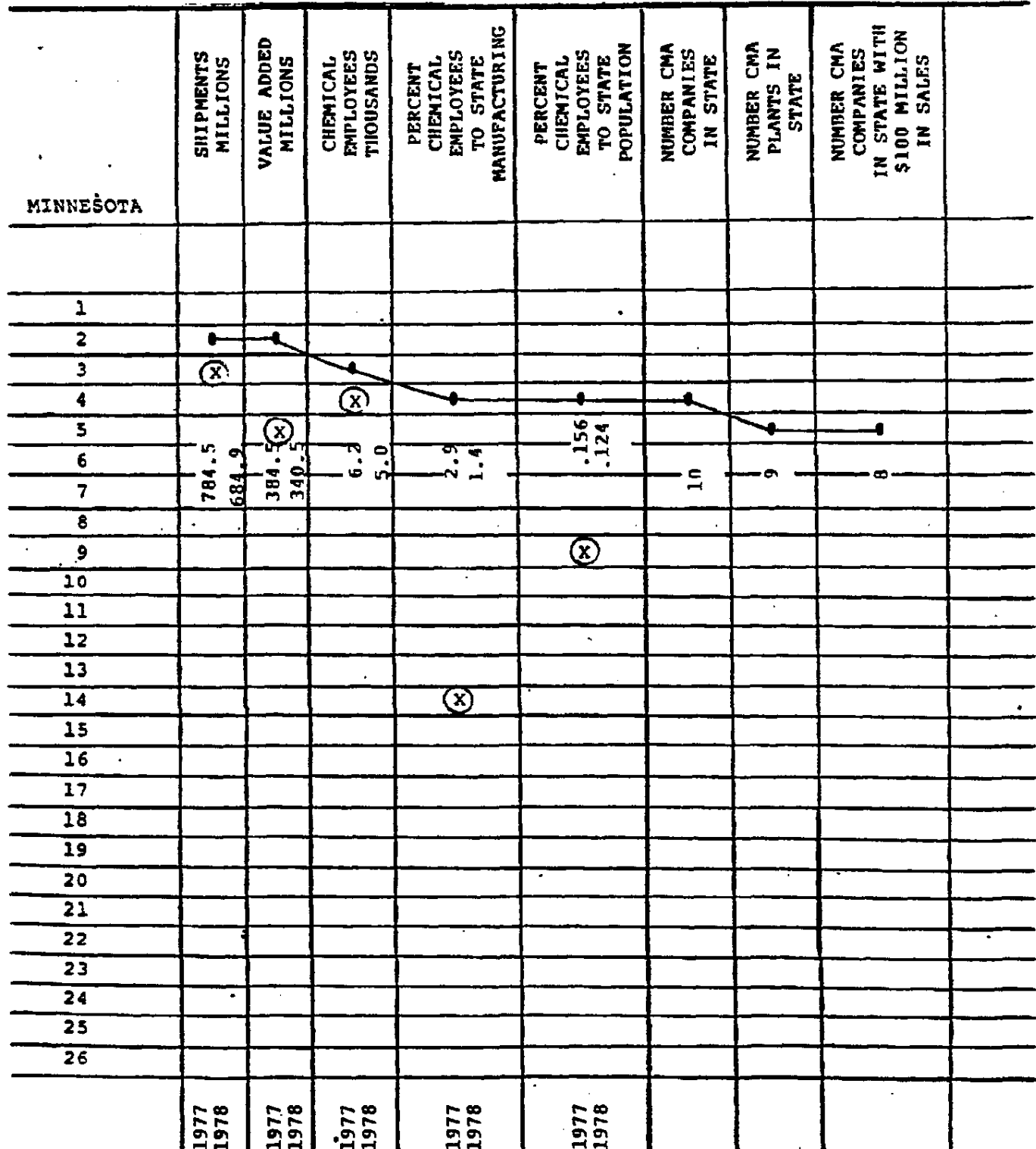
RANKING PER STATE - ADDITIONAL 18

("X" denotes change in rank from 1977 to 1978)



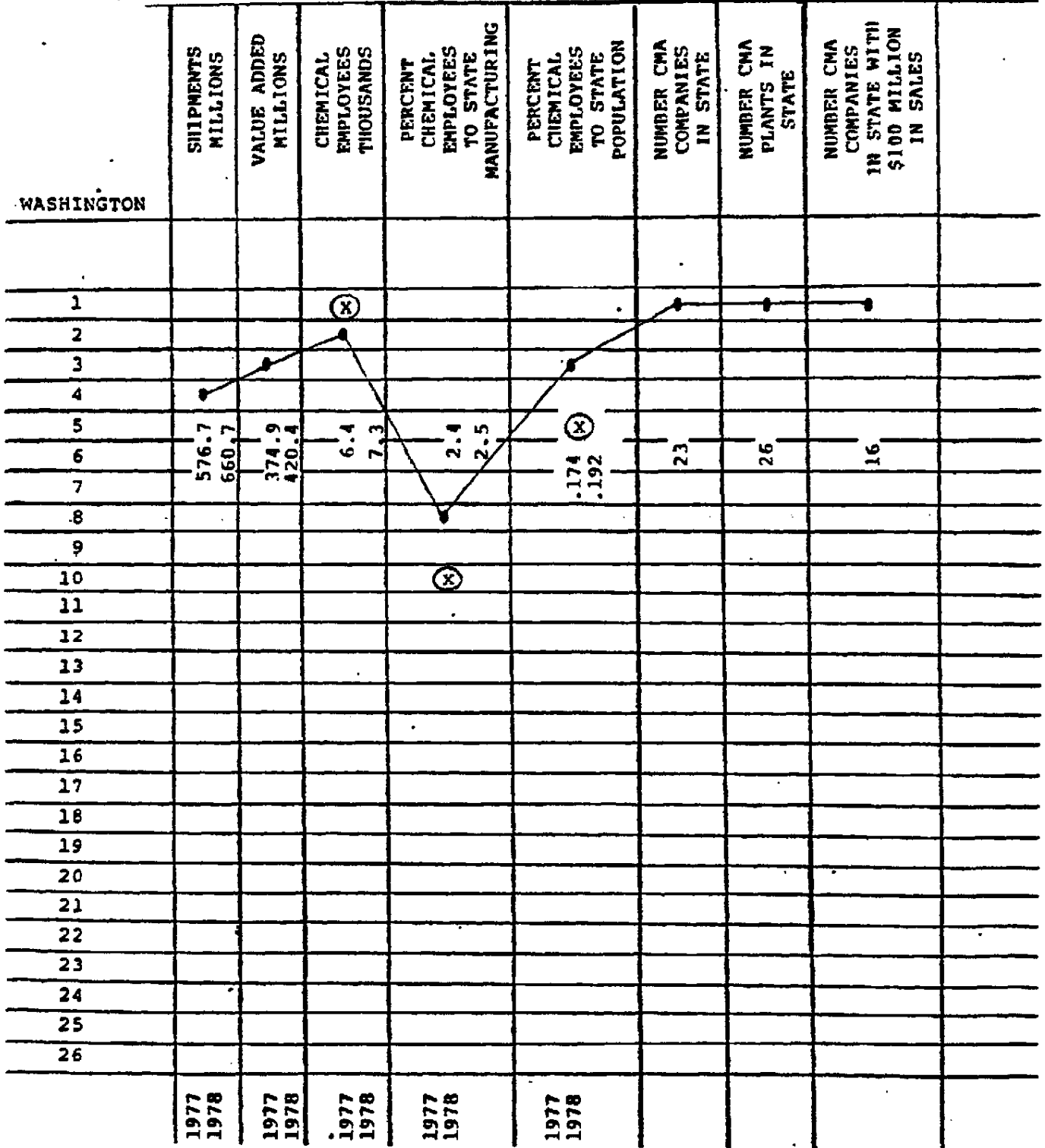
RANKING PER STATE - ADDITIONAL 18

(*X" denotes change in rank from 1977 to 1978



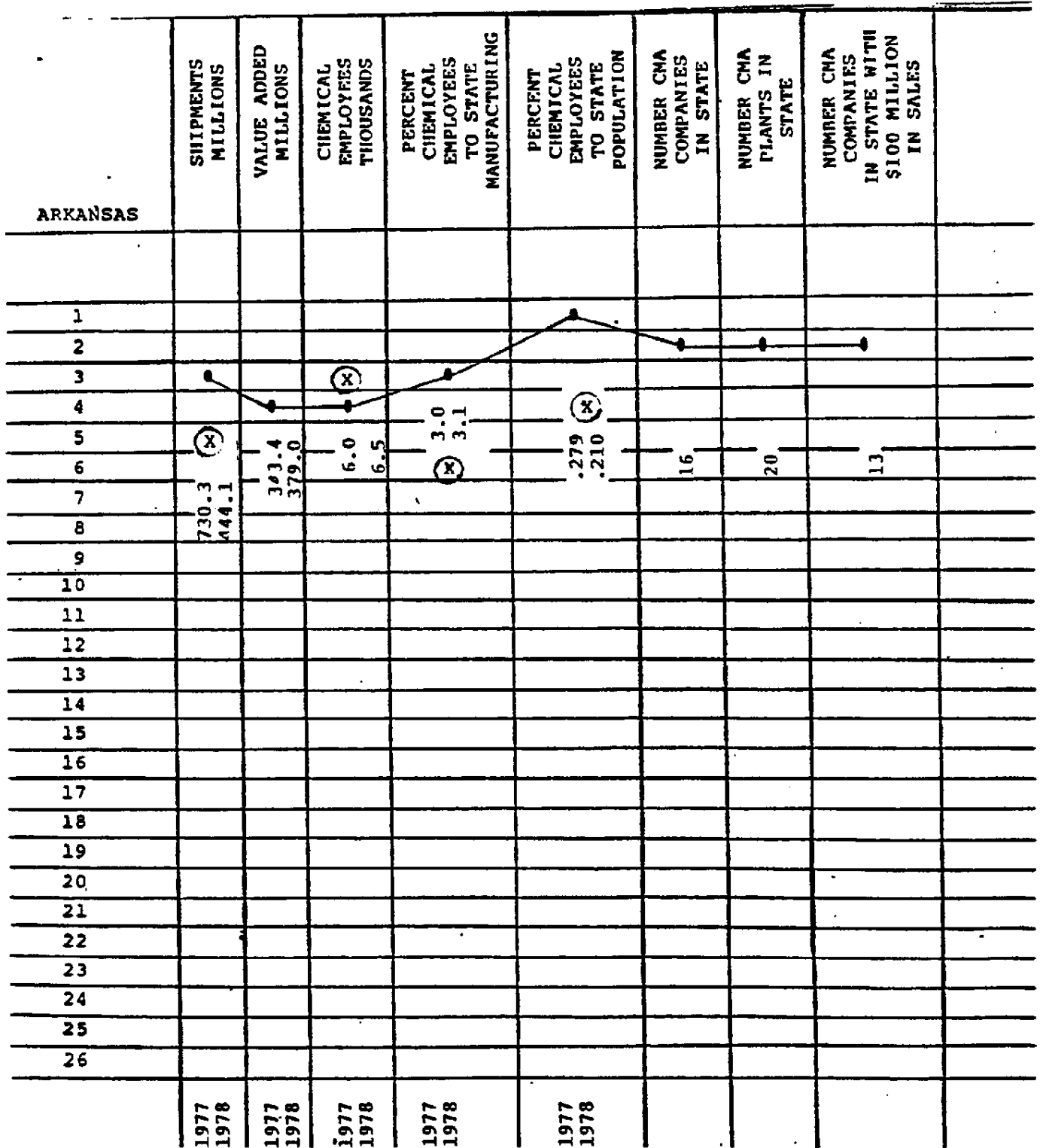
RANKING PER STATE - ADDITIONAL 18

("X" denotes change in rank from 1977 to 1978)



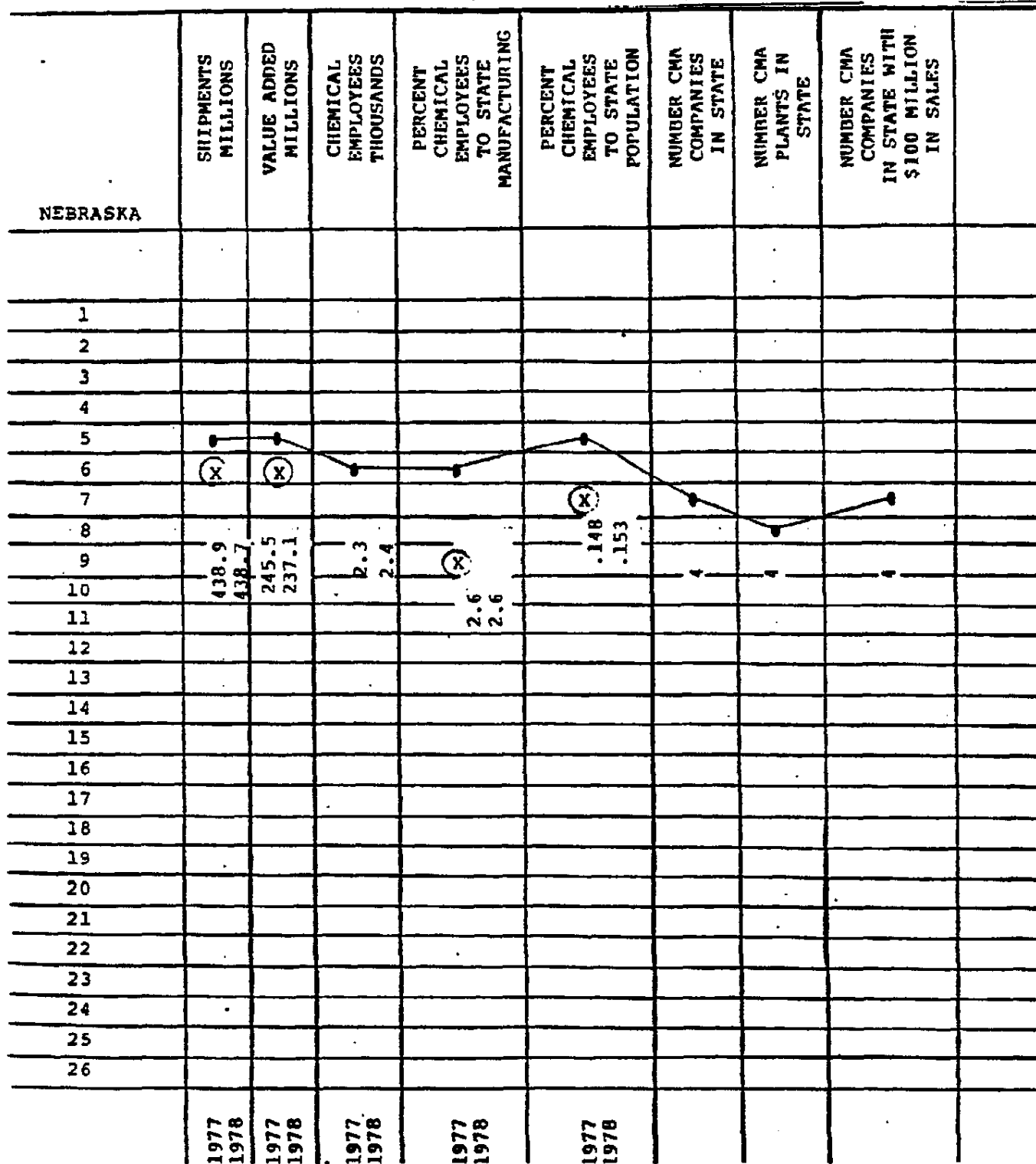
RANKING PER STATE - ADDITIONAL

("X" denotes change in rank from 1977 to 1978)



RANKING PER STATE - ADDITIONAL 18

("X" denotes change in rank from 1977 to 1978)

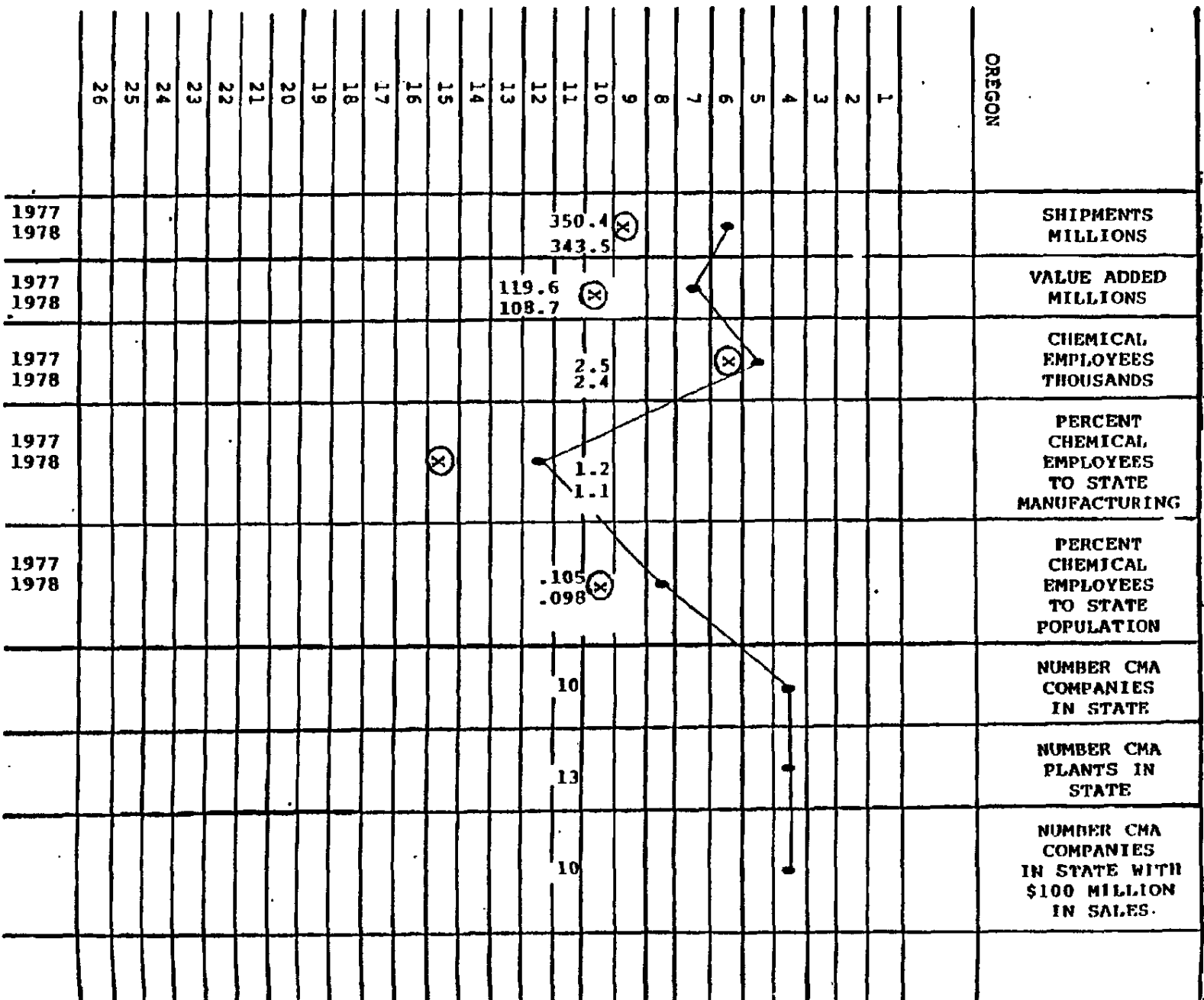


RANKING PER STATE - ADDITIONAL 18

	SHIPMENTS MILLIONS	VALUE ADDED MILLIONS	CHEMICAL EMPLOYEES THOUSANDS	PERCENT CHEMICAL EMPLOYEES TO STATE MANUFACTURING	PERCENT CHEMICAL EMPLOYEES TO STATE POPULATION	NUMBER CMA COMPANIES IN STATE	NUMBER CMA PLANTS IN STATE	NUMBER CMA COMPANIES IN STATE WITH \$100 MILLION IN SALES
IDAHO								
1								
2								
3				(X)	(X)			
4	416.3	203.1	2.4	4.2	272	5	5	4
5			(X)					
6	(X)	(X)				(X)	(X)	(X)
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
1978								
1978								
1978								
1978								
1978								
1978								
1978								
1978								

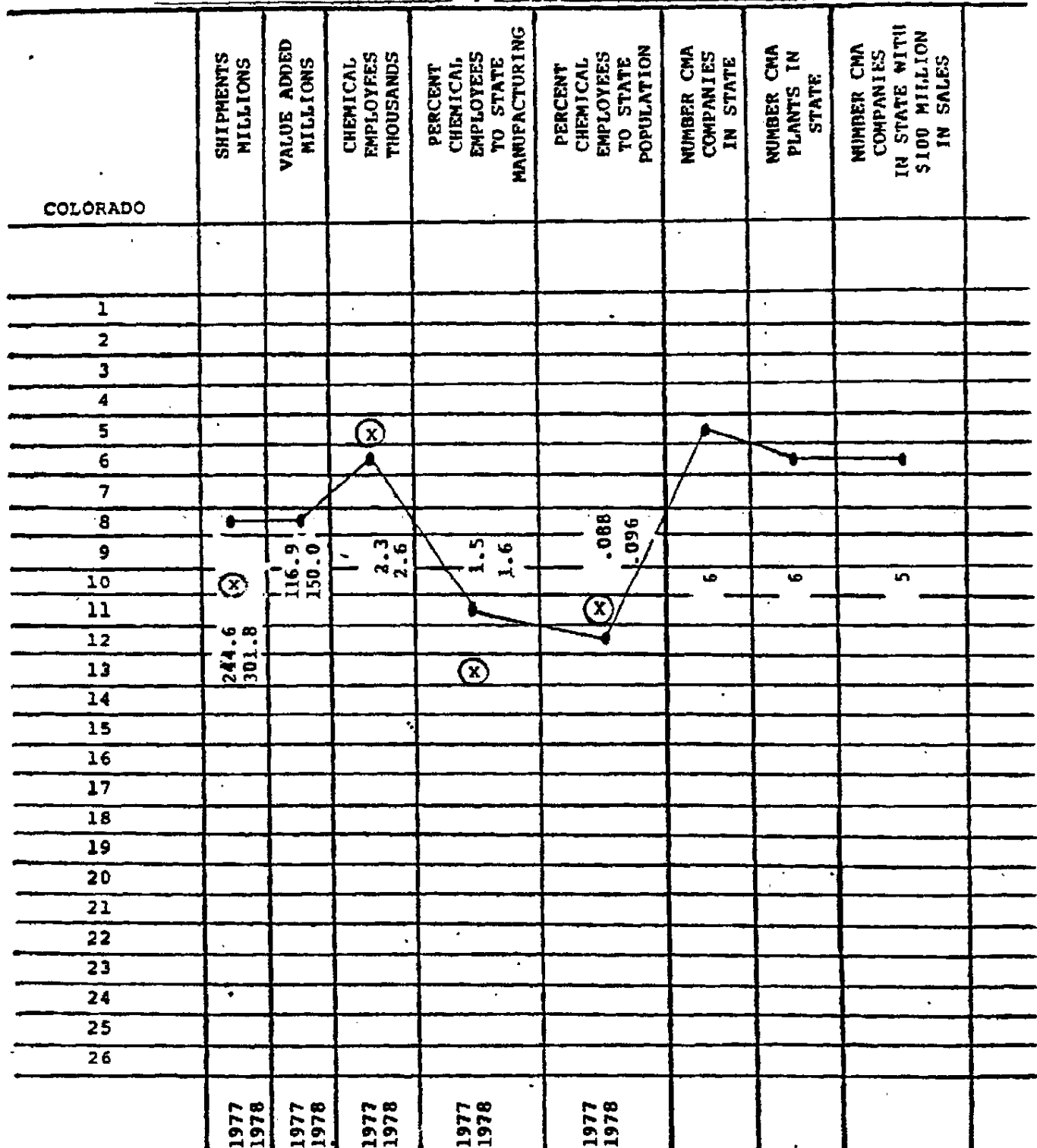
RANKING PER STATE - ADDITIONAL 18

("X" denotes change in rank from 1977 to 1978)



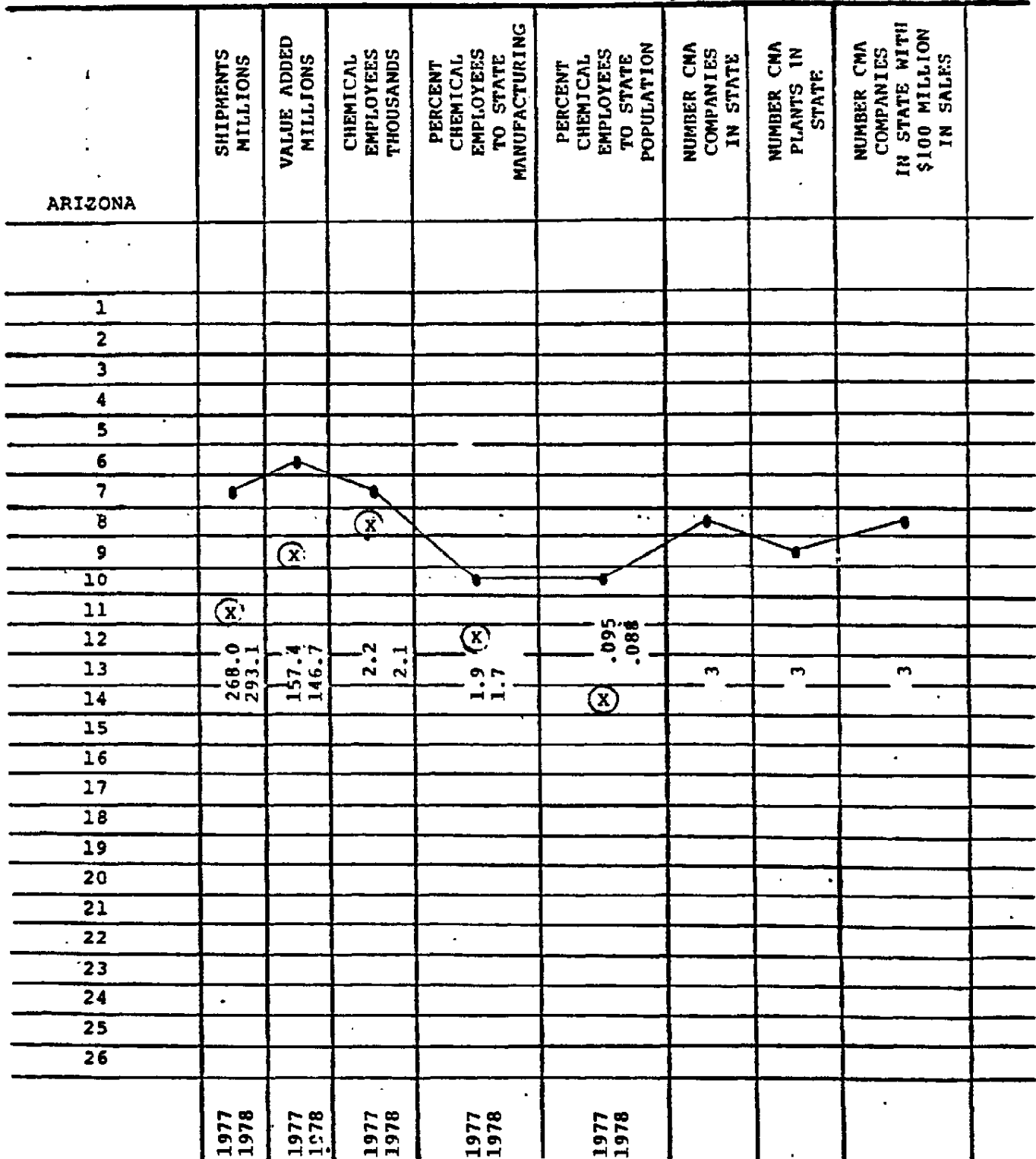
RANKING PER STATE - ADDITIONAL 18

("X" denotes change in rank from 1977 to 1978)



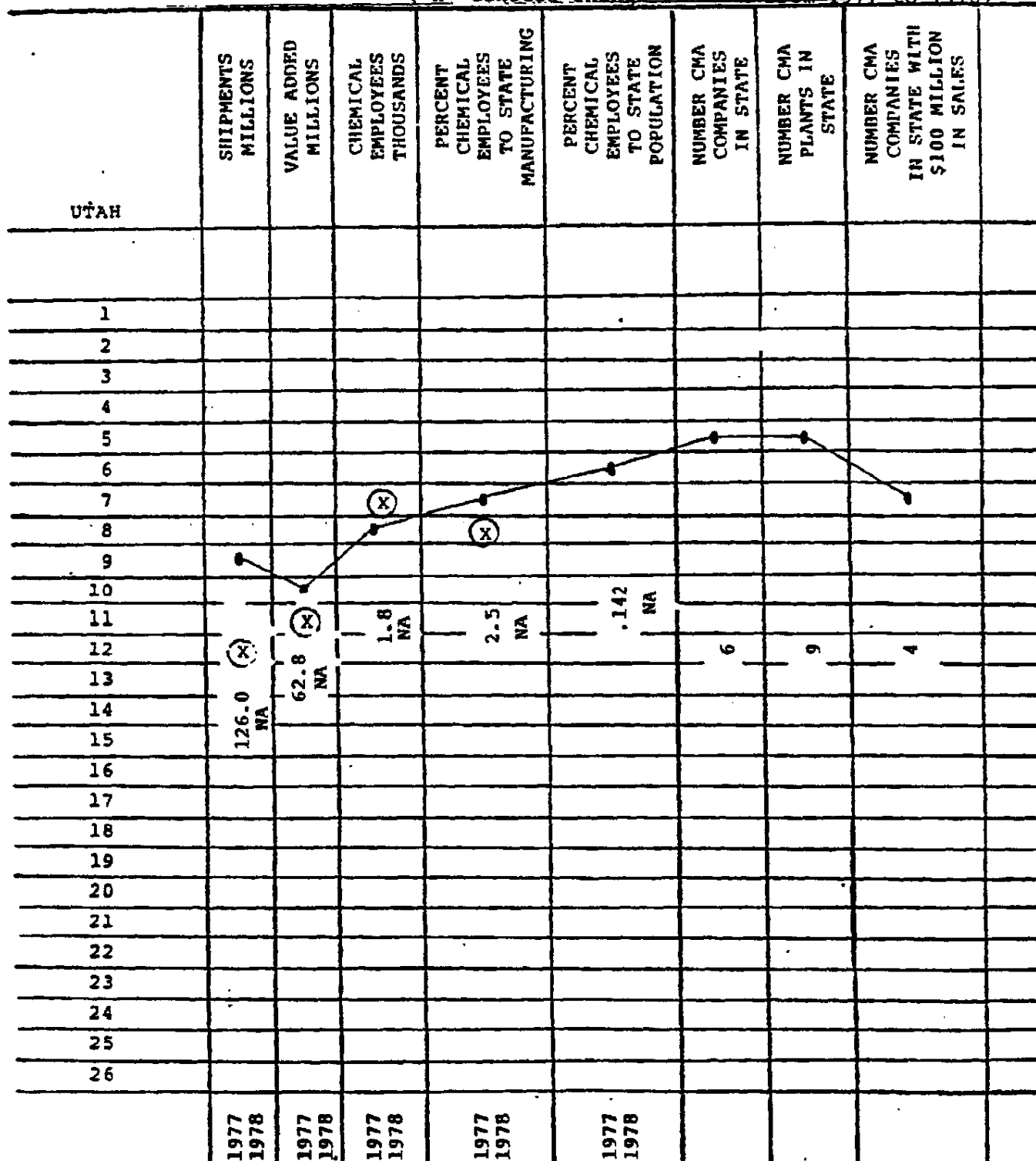
RANKING PER STATE - ADDITIONAL 18

("X" denotes change in rank from 1977 to 1978)



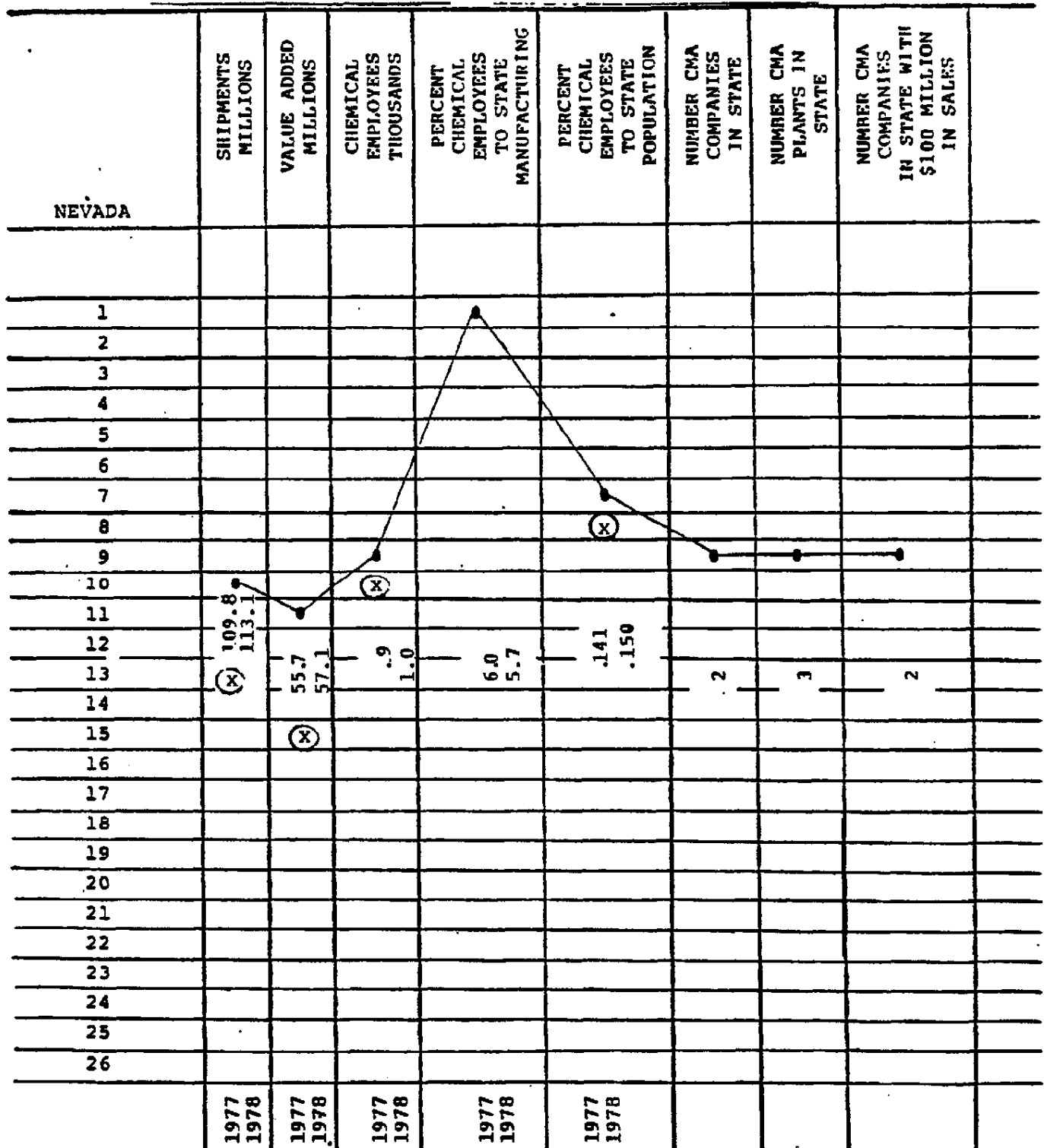
RANKING PER STATE - ADDITIONAL 18

(*X* denotes change in rank from 1977 to 1978)



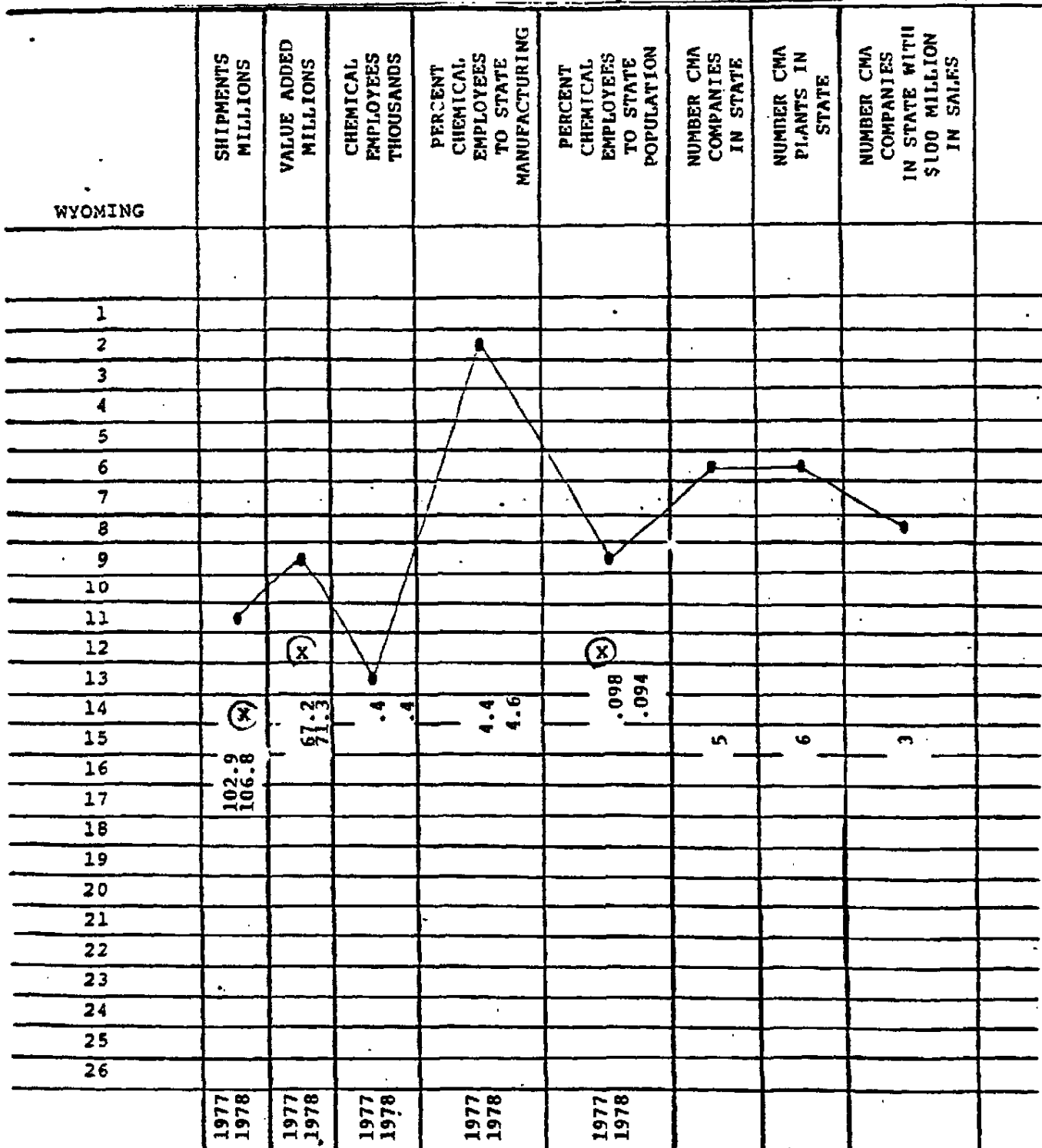
RANKING PER STATE - ADDITIONAL 18

("X" denotes change in rank from 1977 to 1978)



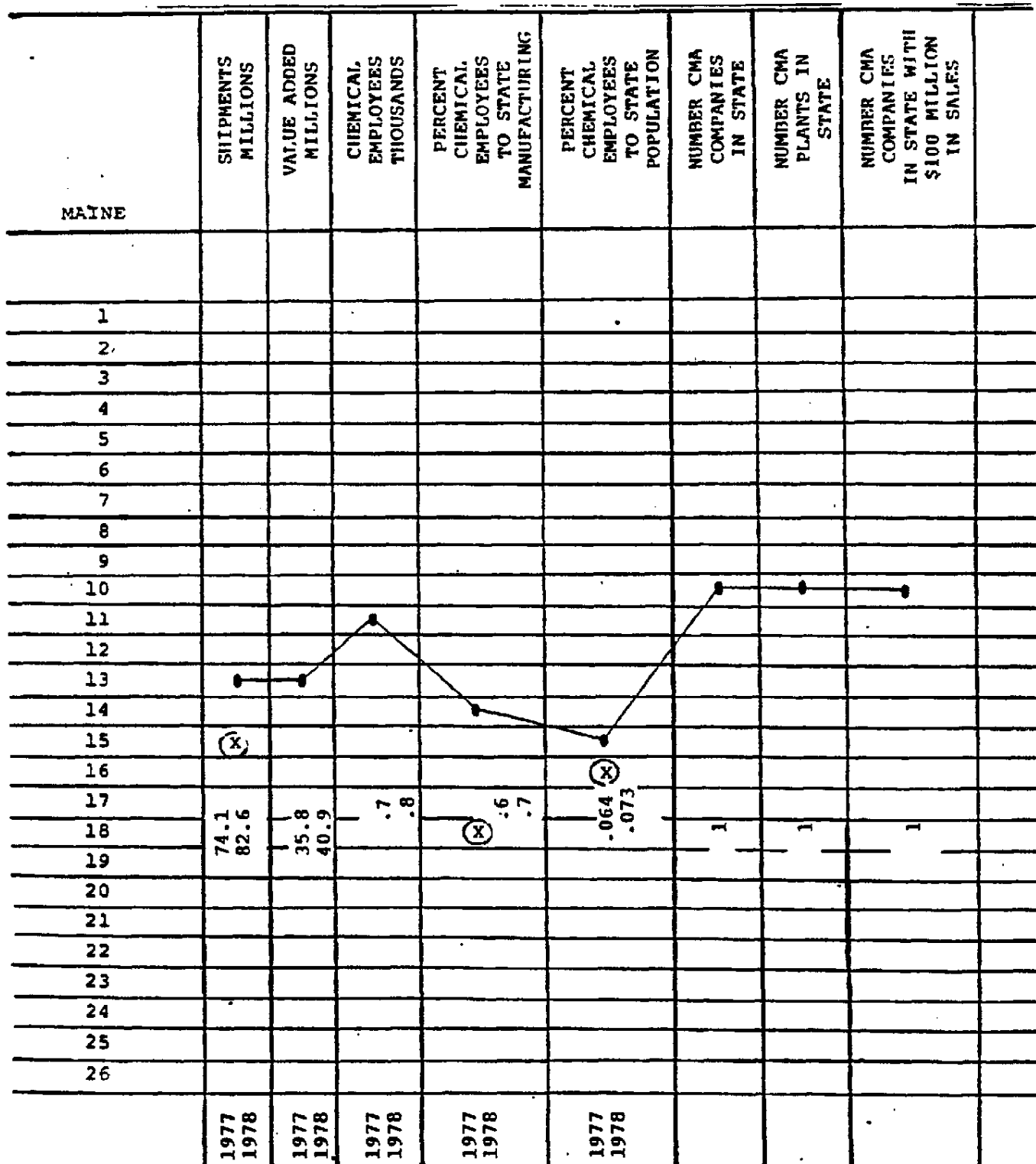
RANKING PER STATE - ADDITIONAL 18

("X" denotes change in rank from 1977 to 1978)



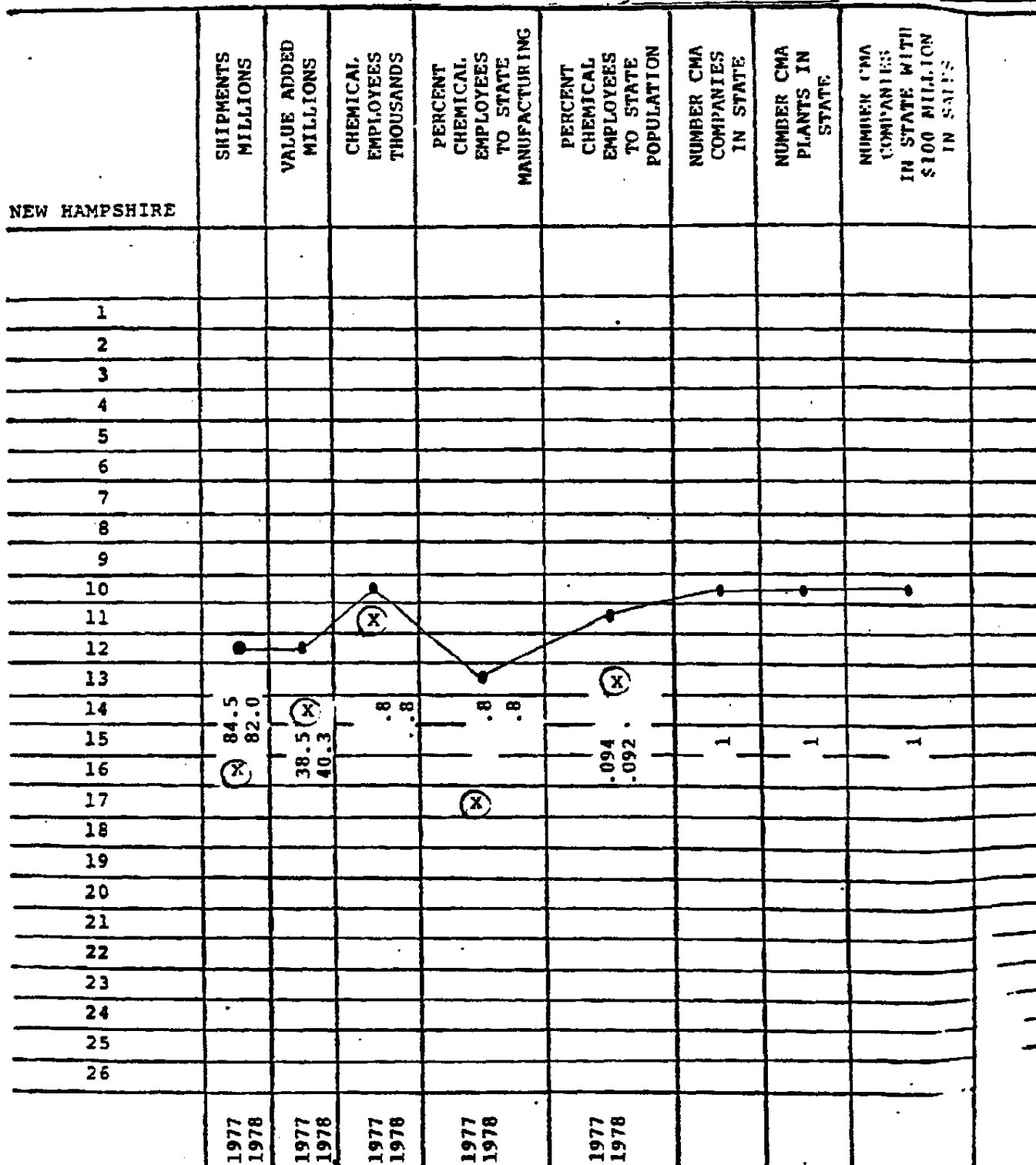
RANKING PER STATE - ADDITIONAL 18

("X" denotes change in rank from 1977 to 1978)



RANKING PER STATE - ADDITIONAL 18

("X" denotes change in rank from 1977 to 1978)



RANKING PER STATE - ADDITIONAL 18

("X" denotes change in rank from 1977 to 1978)

