

THE UNIVERSITY OF CHICAGO
DEPARTMENT OF CHEMISTRY
LABORATORY OF ORGANIC CHEMISTRY
CHICAGO, ILLINOIS 60637

NAME _____
STUDENT ID _____
DATE _____

1. The following reaction scheme shows the synthesis of compound 1 from compound 2. Draw the structure of compound 1 in the space provided.

Reaction	Starting Material	Product
1	2	1
2	3	4
3	5	6
4	7	8
5	9	10
6	11	12
7	13	14
8	15	16
9	17	18
10	19	20
11	21	22
12	23	24
13	25	26
14	27	28
15	29	30
16	31	32
17	33	34
18	35	36
19	37	38
20	39	40
21	41	42
22	43	44
23	45	46
24	47	48
25	49	50
26	51	52
27	53	54
28	55	56
29	57	58
30	59	60
31	61	62
32	63	64
33	65	66
34	67	68
35	69	70
36	71	72
37	73	74
38	75	76
39	77	78
40	79	80
41	81	82
42	83	84
43	85	86
44	87	88
45	89	90
46	91	92
47	93	94
48	95	96
49	97	98
50	99	100

2. The following reaction scheme shows the synthesis of compound 1 from compound 2. Draw the structure of compound 1 in the space provided.