Name _	
Period _	

Worksheet – Selection Sort

You are using the Selection Sort algorithm on the following array:

0	1	2	3	4	5	6	7	8	9	10
9	20	7	18	8	40	35	6	2	11	13
1) In t		pass, w the arra				pped?				
0	1	2	3	4	5	6	7	8	9	10
2) In t		nd pass, the arra					!?			
0	1	2	3	4	5	6	7	8	9	10
3) In t		pass, w the arra				apped?				
0	1	2	3	4	5	6	7	8	9	10
4) In t		th pass, the arra					?			
0	1	2	3	4	5	6	7	8	9	10
5) In t		pass, w the arra				pped?		· · · · · · · · · · · · · · · · · · · ·		
0	1	2	3	4	5	6	7	8	9	10
6) In g	general,	after n	iteration	ns of the	e loop, _	I	elemen	ts are so	orted an	d in the

7) Where in the array are these correctly placed elements located?

8) Would this loop iterate fewer times if your array was already in order?