Now, you will create a water quality index that assesses water quality with respect to drinking water. Assume that we have decided that the following information is reasonable:

Parameter	How Important?	Ideal Values
pH ①	Very	5.5 – 7.5
Temperature ③	Somewhat	40 – 50 F
Dissolved Oxygen ✗	Not	XXX
Turbidity ②	Pretty Imp.	0 – 100 NTU

Parameter	Excellent Values		OK Values		Poor Values	
pH	5.5 – 7.5	30	4.5 – 5.5 7.5 – 8.5	15	<4.5 >8.5	0
Temperature	40 – 50 F	10	32 – 40 F 50 – 60 F	5	< 32 F > 60 F	3
Dissolved Oxygen	~~~~~~		~~~~~~		~~~~~~	
Turbidity	0 – 100 NTU	20	100 – 200 NTU	10	>200 NTU	0

Best drinking water: 60

Worst: 3