

At Your Pace Online, LLC
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Membrane Processes

2h 4m 26s

Section/Topic Titles	Word Count	Min Count	Topic Time	Section Time	Quiz Q's	Q's in Bank
Membrane Processes				2h 4m 26s		
1. Membrane Processes Introduction (Video)	V	1.3	1m 48s			
Review Question	Q	0.5			1	
2. Source Water	2	0.1	39m 8s			
a. Brackish Water	342	12.8				
b. Source Water Quality Concerns	231	8.7				
1. Reverse Osmosis vs. Electrodialysis	167	6.3				
c. Pre-Treatment	275	10.3				
Review Question	Q	0.5			1	
Review Question	Q	0.5			1	
3. Reverse Osmosis (Video)	V	8.5	9m			
Review Question	Q	0.5			1	
4. Reverse Osmosis Nanofiltration and Electrodialysis	5	0.2	1h 12m 12s			
a. Advantages of RO	18	0.7				
b. Disadvantages of RO	37	1.4				
c. NanoFiltration	1	0.0				
1. What is Nanofiltration?	231	8.7				
2. Nanofiltration Filters/Membranes	384	14.4				
3. Pre-treatment	126	4.7				
4. Post-treatment	56	2.1				
a. Sulfide Removal	154	5.8				

b. Alkalinity Recovery	32	1.2			
c. Aeration and Stabilization	112	4.2			
5. Advantages of Nanofiltration	28	1.1			
6. Disadvantages of Nanofiltration	32	1.2			
d. Electrodialysis Reversal	2	0.1			
1. History or Electrodialysis Explanation of Electrodialysis and Introduction to Electrodialysis Reversal	268	10.1			
2. What are EDR Filters?	182	6.8			
3. Pretreatment for EDR	112	4.2			
4. Post-Treatment for EDR	32	1.2			
5. What are the Advantages of EDR?	63	2.4			
6. Disadvantages of EDR	37	1.4			
Review Question	Q	0.5			1
5. Wastewater (Video)	V	0.7	1m 12s		
Review Question	Q	0.5			1
6. Conclusion (Video)	V	0.6	1m 6s		
Review Question	Q	0.5			1
Total Word Count	2929	109.8	1h 49m 50s		
Total Presented Questions	7	3.5	0h 3m 30s		
Total Activity Time		0.0	0h 0m 0s		
Total Video Time		11.1	0h 11m 6s		
Total Time for Words and Questions		124.4	2h 4m 26s		