Lecture 29 CH102	A1 (MWF 9:05 am) Spring 2019	Copyright © 2019 Dan Dill dan@bu.edu	1
[TP] How	many distinguishable ways can 5 ink mo	lecules be arranged among	
13 water	molecules?		
17% 1.	1450		
170/ 2	2260		
1/90 2.	5200		
17% 3.	8568		
17% 4.	12650		
17% 5.	14950		
17% 6.	65780		
DOSTON			
UNIVERSITY	(0 of 0)	10	































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[TP] How 13 water r	many distinguishable ways can 5 ink molecul nolecules?	es be arranged a	mong
17% 1.	1450		
17% <mark>2</mark> .	3260		
17% 3.	8568		
17% 4.	12650		
17% 5.	14950		
17% 6 .	65780		
BOSTON	0 of 0	10	37







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Lattice gas model of pressure	
$\frac{P}{RT} = n/V = \text{gas density}$ $n = \text{particles}$ $V = \text{lattice positions}$	
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