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<b>[TP]</b> In a certain chemical reaction, 10 kJ of heat flow into the system and the system does 21 kJ of work on the surroundings. This means $\Delta U =$		
13% 1.	+31 kJ	
13% <u>2</u> .	+21 kJ	
13% <u>3</u> .	+11 kJ	
13% 4.	+10 kJ	
13% 5.	-10 kJ	
13% <u>6</u> .	-11 kJ	
13% 7.	-21 kJ	
13% <mark>8</mark> .	-31 kJ	
BOSTON		1















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Lecture 22 CH101 A1 (MWF 9 am) Fall 2016 Copyright © 2016 Dan Dill dan@bu.edu Lecture 22 CH101 A1 (MWF 9 am) Fall 2016 Copyright © 2016 Dan Dill dan@bu.edu [Quiz] Acetic acid dissolves in water as a weak electrolyte,  $CH_3COOH(aq) + H_2O(l) \leftrightarrows H_3O^+(aq) + CH_3COO^-(aq)$ In the acetic acid solution, the acetate ion,  $CH_3COO^-(aq)$ , is ... Detecting heat and work 25% 1. the system 25% 2. the surroundings 25% 3. part of the system 25% 4. part of the surroundings Response 10 Counter



