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Sides on Spontaneity of phase transitions: water or steam, CH102 Spring 2016, A1 and A2 Copyright © 2016 Dan Dill dan@bu.edu CTP For steam \rightarrow water \Delta S_{tot} = + (40.65 \times 10^3 \, \mathrm{J/mol})/T - 108.9 \, \mathrm{J/(mol \ K)} At T = 94 °C , \Delta S_{tot} evaluates to ... 33\% \quad 1. \quad < 0 33\% \quad 2. \quad = 0 33\% \quad 3. \quad > 0 Response Counter
```

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Sides on Spontaneity of phase transitions: water \Rightarrow steam, CH102 Spring 2016, A1 and A2 Copyright © 2016 Dan Dill dan @ bu.edu Spring 20 For Steam \Rightarrow water \Delta S_{tot} = + (40.65 \times 10^3 \text{ J/mol})/T - 108.9 \text{ J/(mol K)} At T = 100 °C, \Delta S_{tot} evaluates to ...

0% 1. < 0
0% 2. = 0
0% 3. > 0
```

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Sides on Spontaneity of phase transitions: water \Rightarrow steam, CH102 Spring 2016, A1 and A2

[TTT] For steam \rightarrow water

\Delta S_{tot} = + (40.65 \times 10^3 \, \mathrm{J/mol})/T - 108.9 \, \mathrm{J/(mol \ K)}
At T = 106 \, ^{\circ}\mathrm{C}, \Delta S_{tot} evaluates to ...

0\% \quad 1. \quad < 0
0\% \quad 2. \quad = 0
0\% \quad 3. \quad > 0

Response Counter
```

