**2nd Interview, Weeks 6-12 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| **Item** | **Significant gaps** | **Some guessing** | **Great command** |
| Across weeks – H(T,P) as a thermodynamic surface |  |  |  |
| Across weeks – U(T,V) as a thermodynamic surface |  |  |  |
| Week 6 - Applying the 1st law |  |  |  |
| Week 6 – An expanding ideal gas |  |  |  |
| Week 6 – Heat engines |  |  |  |
| Week 7 – Interpreting thermodynamic surfaces |  |  |  |
| Week 7 – The adiabatic J-T experiment |  |  |  |
| Week 7 – Corresponding states |  |  |  |
| Week 8 - |  |  |  |
| Week 9 – Expansivity and compressibility |  |  |  |
| Week 9 – Phase diagrams |  |  |  |
| Weeks 10 & 11 – Entropy and the 2nd Law |  |  |  |
| Week 12 – Gibbs energy of reaction |  |  |  |
| Week 12 – Chemical potentials |  |  |  |
| Week 13 – non-PV work |  |  |  |