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BSK1133 PHYSICAL CHEMISTRY

PRACTICE 5

PREPARED BY:

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PRACTICE 5
BY DR. YUEN MEI LIAN

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1. If an instrument produced 30 kJ of energy each second as mechanical work and lost 3 kJ as heat to the surroundings, then the change in the internal energy of the instrument each second is _____ .
2. At 650 °C, the pressure of CO₂ is 0.578 atm. Calculate equilibrium constant, K_p , for the following heterogeneous equilibrium.



ANSWERS:

1. -33 kJ
2. 0.578 atm

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