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76 THERMODYNAMICS Wet-bulb temperature  $T_{wb}$  is the temperature indicated by a thermometer covered by a wick saturated with liquid water and in contact with moving air. Humid Volume: Volume of moist air/mass of dry air. Psychrometric Chart

**FE Reference 8-2.1104web - College of Engineering**

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13-6-24. Thermodynamics Cheat Sheet Thermodynamics Cheat Sheet Calorimetry Heat required to change temperature:  $Q = mc\Delta T$  Heat required to change phase:  $Q = mL$  Ideal Gas Law: Boyle's Law  $PV = nRT$  (in Kelvin) Constant Temperature  $PV = \text{constant}$   $P_1 V_1 = P_2 V_2$  Charles/Gay Lussac Law Constant Pressure  $V/T = \text{constant}$   $V_1/T_1 = V_2/T_2$

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### Basic Thermodynamic Formulas (Exam Equation Sheet)

By Mike Pauken . Part of Thermodynamics For Dummies Cheat Sheet . Thermodynamics is filled with equations and formulas. Here's a list of the most important ones you need to do the calculations necessary for solving thermodynamics problems.

### Important Thermodynamic Equations and Formulas - dummies

Oklahoma University College of Engineering student Michael Nash wrote suggesting that RF Cafe begin collecting and posting "cheat sheets" that have been created as a means of studying for exams. I think it's a great idea, so here is a page dedicated to that purpose. If you have an original cheat sheet, preferably hand-written for authenticity, that you want to make available to fellow students ...

### College Cheat Sheets - RF Cafe

Intended as an introductory textbook for "applied" or engineering thermodynamics, or for use as an up-to-date reference for practicing engineers, this book provides extensive in-text, solved examples to cover the basic properties of thermodynamics. Pure substances, the first and second

### ENGINEERING THERMODYNAMICS - WordPress.com

COMPENDIUM OF EQUATIONS Unified Engineering Thermodynamics I. Equation of State:  $pV = RT$  or  $p = RT/V$  for a thermally perfect gas II. Expressions for Work: A. Work for a simple compressible substance  $W = \int p \, dV$  B. Work for a simple compressible substance undergoing a quasi-static process  $W = \int p \, dV$

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### 1 General Definitions and Equations - UC Davis Physics

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