



Q=MH Q=mHVH (J/kg) HV (J/kg) Thermal E = sum of PE & KE copper 2.05 x 105 Temperature - Measures ang. KE 5.07 X 104 thermometer of C+K K=°C+273.15 gold 6.30 x 104 1.64×106 -absolute 0 = OKelving Kyoc oc = K-273.15 6,29×106 iron 2.66 x 105 - Specific heat - I req. to raise one kg one Kelvin lead 2.04 x 104 8.64×103 mercuny 1.15 x 104 2.72 x 108 Q=heat Q=MCAT heat = Effort from high temp. to Ly units of J/kg·K -- C methanol 1.09 x 105 8.78 x 105 culonimeter - messures temp change B N-7 pt silver 1.04 x 109 2.36 x 106 water (ice) 3.34 x 105 2.26 x 106 Tr = MACATA: + MBCBTB: Sives off Ple + OV MACA + MBCO Bolo model: electromagnetism diest:
exist in an arom no Eloss
Adhesion - capillary redien - attendion to dist subspance entropy - disorder by adding E 2nd Law of thermodynamics ) 1st Law : Sum of W done , & hear added Cohesian - surface + ension w/acceleration w/acceleration = increase in Thermal E Pressure P= + = N/m2 or Kg Length of solid at tempt L=L; + XL; (T-T;) Pascal's principle: pressure applied on Sluid is density equally dispersed amorphous solids-butterighes AL = QL - AT riquid water expands above 4°C; 0°-4° it contracts P=phg P= W=pVg Archamedes Principle: byoyed up by weight of Avid disposed Bornoullis principle: fluid in motion = lower pressure