

DKE = - DfE = 920 V- kd (3-2) ((5663) 2+2(1.400x10 4)(250V) 1.06x107 mg (1) DUE=-9V=-(1-602x10-19C)(250V) R = +250 eV 1) Ez = - dV = - LQ(-1)22 (2)n) + m 2500 plan

1) Ez = - DE = - DE = 1V = (10)(2500) = 2500T c) = 2500T 10) PE + 11E - PE + 11E = V = 224 = [2(2000)(1.60000 25 %) all the man - in maga = 2.19 x10 5 % V 2 M V 2 + 290V d) ro 13) KEp= -2V = - (2e)(-1000 U) 7 (2(1.62×10-70)(250V) = 200 eV (4) a) DT-40101. (405 1/8.66.1.une-4)2 10.257 2 2 m/2 = (7.76 ×10-18 5) (9.11 x10 3 (mg) -TI.44 (10703) = 11 eV WPE=-1.762-183=-11eV b) work is to

15) PE= x (Qule + Qulo apportanto)

- (200 0000 ) (0100.0.48 + (0.100)(-0.40)

- 3 100 0.18 000 + (-0.19e)(0.4e) + (-0.19e)(-0.4e) = -6.13 X eV