1101.

Zagara 1

A = 1,98 were = 1,98.10⁻⁶ or $h = 6,626.10^{-34}$ Dm.c E = ?Дано:

pemerne:

$$E = \frac{hc}{\lambda} = \frac{6,626 - 16^{-3\frac{4}{3}} \cdot 10^{9}}{1,99 - 10^{-6}} \approx 1,004 \cdot 10^{-19} Dm$$

$$A = 9b = 1,602 \cdot 10^{-19} Dm$$

$$-1 = \frac{1,004 \cdot 10^{-19}}{1,602 \cdot 10^{-19}} \approx 0,627 \cdot 98.$$

Zazarez.

Dano .

Dano: AEP=0,9 Men. = 0,9.10⁶ M; h? 4,13¢+.10⁻¹⁰ Jg. En=9; Ep=hc L? 3.10° Mcc.; p=1,976

Eq: 6,506. 4, 13+1.10". 8.108

0,9.10-6 = 1,378 76

Ec= 9- Eur. - 1,9-1,571 2 600 351278

Jaganul 3.

$$\frac{G(T_1)}{G(T_2)} = 16.$$
 $\frac{ni(T_1)}{ni(T_2)} = 16.$

$$= \frac{1}{2 \frac{Eg}{2kT1}} = 16. = 1 \left(\frac{Eg}{2kT1} - \frac{Eg}{2kT1} \right) = 6.10$$

$$=1\frac{Ec_8}{2\kappa}\left(\frac{1}{T_2}-\frac{1}{T_1}\right)=2\kappa(10)$$

=1 Eg =
$$2k \frac{la(16)}{\frac{1}{T_2} - \frac{1}{T_A}}$$
, $k = \frac{1}{7} \cdot \frac{1}{7} \cdot \frac{1}{7}$

=1 Eg = 2.8.617.10⁻⁶.
$$lu(10)$$

$$\frac{1}{276} - \frac{1}{295}$$
2 1,89 96

zaranne 4.

luo = luo - Ea 1 Le To; Ea c Eg

s, comme ganne c paquelle:

1. Havenue lut rom 7-1 = 1, ovale 8.

€- que de la 6 rpe 7-1 = 2. cours 4.

S(bn6) = 8 - 4 = 4S(7 - 1) = 2 - 1 = 1

k = D(ln 6) D(T-4) = 7 = 4.

Ea = -4.8,61733262.10-6 2 6,666-548 2B

Eg = 2. £a = 2. 0,66847 = 6,00069 7B

2 2,5-1. 10-19 m-3

19373,2 7

0.2 100.44

1-12000