Q1.
$$m_A^{\#} = 0.48 m_0$$

Q2. $g(E) = \frac{1}{\pi} \int \frac{0.064m_0}{2E}$

Q3. $g(E) = \frac{1}{\pi} \int \frac{0.064m_0}{2E}$

for Si (2) $m_A^{\#} = 0.08 m_0$

for Gie (3) $m_A^{\#} = 0.08 m_0$
 m

1.0 1.1 1.2 1.3 1.4 energy (ev) ->