1. What are fusion reactions? Which fusion reaction will you choose for further study? Give the reaction and some reasons for your choice.
2. What is the distance between two protons at which the Coulomb potential is equal to the Coulomb barrier of 180 keV?
3. A plasma consists of equal numbers of deuterons and tritons at a temperature for which *kT* = 10 keV. Calculate the plasma density n if, for a confinement time Г= 3s, the Lawson criterion is just satisfied. Determine the reaction rate per particle in the plasma.