Solution

What effect does a barrier have on probability?

Suppose T = 0.05. What happens to the other 95% of the probability?

a. It's absorbed by the barrier.

b. It's reflected by the barrier.

c. The particle "bounces around" for a while, then escapes.

Absorbing probability would mean that the particles disappear.
We are considering processes on which this can't happen.
The number of electrons remains constant.

Escaping after a delay would contribute to T.