

CL20_Q1. Discuss the wave functions of a particle in a 1D square well finite potential box

CL20_Q2. Graphically represent the wave functions and the corresponding probability density for first three quantum states for a particle trapped in a one dimensional finite potential well.

CL20_Q3. The energy values of a finite potential well are less than the corresponding state of an infinity potential well. Explain why?

CL20_Q4. Compare the energy levels of the first three quantum states of identically sized finite and infinite potential wells.

PES University