

CL9\_Q1. What is the significance of a quantum wave function?

CL9\_Q2. What is the difference between probability density and probability?

CL9\_Q3. How do you determine the value of the amplitude of a wave function?

CL9\_Q4. Determine the probability of finding an electron in the limits  **$x=0$  to  $x=0.5a$**  when it is bound in a 1D box of length  **$a$** .