

The proton is positively charged and is about _____ times heavier than the negatively charged electron.
1836

Uncertainty principle is inherent in the properties of all wave like systems and it originate from the _____ wave matter duality principle.
de Broglie

The shape of orbital occupied by electrons is described by _____ quantum number
Subsidiary

The allowed states of constant energies of an atom is called _____
Stationary

Which of these does NOT follow the steps required to solve the problem for a particle in a 1-dimensional box.
Defining the kinetic energy, V , within the box

Which of these is NOT true of Born's conditions imposed on wave functions
All first-order derivatives of the wave function does not have to be continuous

The planetary model of the atom was proposed by _____
Rutherford

Orbital overlap in valence bond theory requires that the following conditions to be met EXCEPT
Completely filled orbital should overlap

The energy level of an electron is described by _____ quantum number
Principal

Wave function with different quantum numbers has their overlap to be _____
Zero