

Schrödinger Program Post-Assignment Survey

Please answer the following questions pertaining to the Schrödinger program assignment.

1. Did you find it difficult to use the Schrödinger.py script for this assignment?
A. Yes B. No
2. Do you feel that this assignment enriched your understanding of quantum mechanics?
A. Yes B. No
3. Did you find the assignment easy to follow?
A. Yes B. No
4. The energy levels of a 1-dimensional particle in a box decrease as the length of a well increases.
A. True B. False
5. The spacing between wavefunctions increases with increasing energy for the 1-dimensional particle in a box.
A. True B. False
6. The number of nodes in a 1-dimensional particle in a box is equal to (n-2).
A. True B. False
7. For a particle in a finite potential energy well, the particle is permitted to exist outside of the well.
A. True B. False
8. For a particle in a finite potential energy well, the amount of tunneling decreases for particles with higher energy.
A. True B. False
9. The energy of a particle in an infinite potential energy well is

$$\frac{n^2 h^2}{8mL}$$

- A. True B. False