

- 1. Explain the concept of barrier tunnelling. List the factors influencing the transmission probability.**

- 2. How does the uncertainty principle support the idea of tunnelling?**

- 3. What does the exponential decay of the wavefunction signify physically?**

- 4. What is meant by penetration depth in tunnelling? Compare the penetration depth of an electron and a proton for the same barrier. Justify your answer.**