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| **Quantum Tunneling** | Process in which electrons may transfer themselves to the other side of a blocked passage |
| **Transistor** | Simplest form of a data processor in computers |
| **Bit** | Smallest unit of information in normal computers |
| **Qubits** | Smallest unit of information in quantum computers |
| **Photon** | Can be a qubit that uses horizontal or vertical polarization |
| **Superposition** | Can be in any proportions of both states(0 and 1) at once |
| **Qubit Manipulation** | Can manipulate input superpositions, rotate probabilities, and produce another superposition as output |
| **Quantum Gates** | Manipulate an input of superpositions |
| **Entanglement** | Close connection that makes each of the qubits react to a change in the other's state instantaneously |
| **Database Searching** | Quantum computer algorithms need only the square root of the time a normal computer would take |