

Key Contributions of Henry Moseley

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Response: (4) **Henry Moseley**

Key Contributions Overview

- **Henry Moseley (1913):** Studied characteristic X-ray spectra of elements and discovered that the nuclear positive charge (atomic number, Z) increases sequentially by single unit steps from element to element.
 - **J.J. Thomson:** Discovered the electron using cathode ray tubes and proposed the Plum Pudding model.
 - **Ernest Rutherford:** Discovered the atomic nucleus through the gold foil experiment and proposed the nuclear model of the atom.
 - **John Dalton:** Proposed the modern atomic theory stating that matter consists of indivisible atoms.
 - **Max Planck:** Introduced quantum theory and the concept of energy quantization ($E = h\nu$).
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