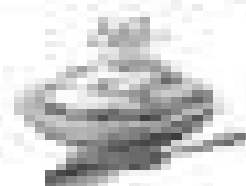


Atomic Probing Structure of the Atom

Name _____
Date _____



Purpose:

To determine the structure of the atom by using alpha particles and a detector.

Part 1: Using the Rutherford Alpha Particle Scattering Experiment

The Rutherford alpha particle scattering experiment was designed to determine the structure of the atom. The results of the experiment showed that the atom is mostly empty space, with a small, dense, positively charged nucleus at the center. The experiment also showed that the electrons are located in the outer regions of the atom.

Objective: To determine the structure of the atom by using alpha particles and a detector.

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