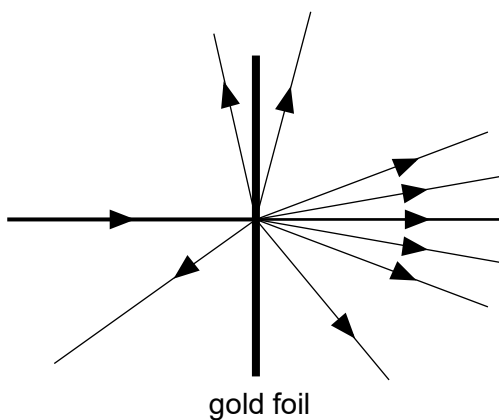


- 30** The given diagram illustrates a thin gold foil being bombarded with  $\alpha$ -particles.



What is the information provided by the results of this experiment?

- A** Size of a gold nucleus
- B** Structure of a gold nucleus
- C** Binding energy of a gold nucleus
- D** Energy levels of electrons in gold atoms

**End of Paper**