

- 1) What property of electrons (“cathode rays”) did Thomson determine? _____
- 2) How did Thomson know that electrons had a much lower mass than H atoms?

- 3) Describe J.J. Thomson’s model of the atom.

- 4) In the gold foil experiment, why had Rutherford predicted that all of the alpha particles should go straight through the gold foil?

- 5) Why did most of the alpha particles go straight through the foil and a small number were deflected?
(Must answer both parts!)