

Evaluation Questions Of Atomic Structure Theory

1. Which of the following has a positive charge?

2. Rutherford carried out experiments in which a beam of alpha particles was directed at a thin piece of metal foil. From these experiments he concluded that:

- (a) electrons are massive particles.
- (b) the positively charged parts of atoms are moving about with a velocity approaching the speed of light.
- (c) the positively charged parts of atoms are extremely small and extremely heavy particles.
- (d) the diameter of an electron is approximately equal to that of the nucleus.
- (e) electrons travel in circular orbits around the nucleus.

3. In Thomson's model of the atom, where were the electrons?

