

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.

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(b) the positively charged parts of atoms are moving about with a velocity approaching the speed of light.

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(c) the positively charged parts of atoms are extremely small and extremely heavy particles.

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(d) the diameter of an electron is approximately equal to that of the nucleus.

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(e) electrons travel in circular orbits around the nucleus.

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

