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## **Module01 Nuclear Physics And Reactor Theory**

Module I: Nuclear Physics And Reactor Theory Page: 8 Of 89 2 STRUCTURE OF THE ATOM Learning Objectives After Completing This Chapter, The Trainee Will Be Able To: 1. Describe The Structure Of An Atom. 2. Name The Main Characteristics Of An Electron. 3. Define The Atomic Num Mar 4th, 2024

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2 Neutrons And 2 Protons (same As Helium Nucleus) TOPIC 4: ATOMIC STRUCTURE Basic Structure Atomic Models Bohr Model Plum Pudding Model Alpha Scattering AQA Neutrons Mass Number Isotopes Atomic Number Natural Nuclear Weapons Testing And Nuclear Accidents Nucleus Is Small And Determines How Many Electrons The Atom Has Protons ... Feb 8th, 2024

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### **Chapter 4 Atomic Structure Section 4.3 Modern Atomic Theory**

Section 4.3 Modern Atomic Theory (pages 113-118) This Section Focuses On The Arrangement And Behavior Of Electrons In

Atoms. Reading Strategy (page 113) Sequencing After You Read, Complete The Mar 13th, 2024

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To Help Picture The Dalton Theory, Think Of A Smooth Hard Sphere, Like A . Marble. Or A Billiard Ball. Dalton's Model Was A Good Explanation Of The Facts Of The Time, But In Time Things Changed. Thomson's Atomic Theory (1897) During The Industrial Revolution Of The 1700's And 1800's Technology Improved Apr 4th, 2024

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