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CHAPTER 23 NUCLEAR CHEMISTRY 23 1 THE NATURE OF NUCLEAR REACTIONS RADIOACTIVITY THE SPONTANEOUS DECAY OF AN UNSTABLE NUCLEUS WITH ACCOMPANYING EMISSION OF RADIATION NUCLIDE ATOM WITH A SPECIFIC NUMBER OF PROTONS AND NEUTRONS IN ITS NUCLEUS THERE ARE 27 1 STABLE NUCLIDES IN NATURE OTHERS ARE RADIOACTIVE RADIONUCLIDE UNSTABLE ISOTOPE CHAPTER 23 NUCLEAR CHEMISTRY THE ATOMIC NUMBER SUM AND THE MASS NUMBER SUM MUST REMAIN THE SAME ON BOTH SIDES OF A NUCLEAR EQUATION ON THE LEFT SIDE OF THIS EQUATION THE ATOMIC NUMBER SUM IS 13 12 1 AND THE MASS NUMBER SUM IS 27 26 1 THESE SUMS MUST BE THE SAME ON THE RIGHT SIDE STUDY WITH QUIZLET AND MEMORIZE FLASHCARDS CONTAINING TERMS LIKE MASS NUMBER PROTONS AND NEUTRONS A ATOMIC NUMBER PROTONS Z ELEMENT SYMBOL IN THIS CASE IRON 2 PROTONS AND 2 NEUTRONS ALPHA PARTICLE AND MORE CHAPTER 23 NUCLEAR PHYSICS FLASHCARDS QUIZLET SCIENCE PHYSICS CHAPTER 23 NUCLEAR PHYSICS GET A HINT MASS ENERGY EQUIVALENCE CLICK THE CARD TO FLIP E MC 2 CLICK THE CARD TO FLIP 1 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CHAPTER 23 NUCLEAR CHEMISTRY ALL WITH VIDEO ANSWERS EDUCATORS CHAPTER QUESTIONS 01 55 PROBLEM 1 SOME IMPORTANT DISCOVERIES IN SCIENTIFIC HISTORY THAT CONTRIBUTED TO THE DEVELOPMENT OF NUCLEAR CHEMISTRY ARE LISTED BELOW

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