

Different Types of Nuclear Decay Worksheet

1. What are the three types of nuclear decay that cause radioactivity?

2. Identify the correct type of nuclear decay in the following:



Nuclear Decay Worksheet Key

**Frank Schaffer Publications, Joan
DiStasio**



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Nuclear Energy, 1985

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Radiopharmaceuticals in Nuclear Pharmacy and Nuclear Medicine Richard J. Kowalsky,Steven W. Falen,2004 Radiopharmaceuticals in Nuclear Pharmacy and Nuclear Medicine 2nd edition is an essential reference for nuclear pharmacy practitioners nuclear medicine technologists and nuclear medicine physicians It will also be useful as a textbook in programs that educate these practitioners The first 12 chapters cover radioactive decay radiation detection and measurement radiation protection and risk radiation safety radiation biology licensing and regulatory controls radionuclide production radiopharmaceutical chemistry radiopharmaceuticals for positron emission tomography PET the nuclear pharmacy and quality control Four of these chapters are written by contributing authors Together the 12 chapters all written by nuclear pharmacy practitioners present the information needed for a pharmacist to become an authorized nuclear pharmacist The remaining 11 chapters cover the diagnostic and therapeutic use of radiopharmaceuticals Chapters on specific body systems brain thyroid heart lung liver spleen gastrointestinal tract kidney and bone are followed by chapters on total body procedures monoclonal antibodies in vivo function studies and therapeutic radiopharmaceuticals Key Features Updates its predecessor Radiopharmaceuticals in Nuclear Medicine Practice to include new material in areas such as radiation biology radiopharmaceuticals used in PET and therapeutic radiopharmaceuticals Features expanded coverage of nuclear medicine applications of radiopharmaceuticals useful for nuclear pharmacy practitioners Some 150 tables and nearly 450 figures enrich and illustrate the text and each chapter is referenced to the primary literature About the Authors Richard J Kowalsky PharmD BCNP FAPhA is Associate Professor of Pharmacy School of Pharmacy and Associate Professor of Radiology Department of Radiology University of North Carolina at Chapel Hill He is Director of the Nuclear Pharmacy at UNC

Hospitals where he has practiced for 32 years Steven W Falen MD PhD is former Director of Positron Emission Tomography and Assistant Professor of Radiology and Biomedical Engineering Department of Radiology University of North Carolina at Chapel Hill He is now Director of Nuclear Medicine and PET Services Riverside Regional Medical Center Newport News Virginia **Nuclear Safeguards Technology, 1986** International Atomic Energy Agency,1987 Operator's and Organizational Maintenance Manual for Tester, Density and Moisture, (soil and Asphalt) Nuclear Method, Campbell Pacific Model MC-1(CCE), (NSN 6635-01-030-6896). ,1985 *Title List of Documents Made Publicly Available* ,1986
 Transactions of the American Nuclear Society ,1987 *Problem Definition Process* State Library of Pennsylvania.
Division of School Library Media Services,1989 **The Software Encyclopedia** ,1997

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