

## A Detailed Lesson Plan in Modern Physics

### I. Learning Objectives:

#### Objectives:

At the end of the lesson, 100% of the student with atleast 75% level of proficiency must have:

- defined the basic principles of nuclear reactions, including nuclear fission and fusion.
- explained and discussed nuclear fission and fusion
- applied mathematical equations to calculate energy released in nuclear reactions.

### II. Subject Matter

Topic/Lesson: Nuclear Reactions

References: Modern Physics books page 517-525

Instructional Materials: Laptop, DLP, Canva, Presentation

Teaching Strategies: Discussion/Direct Teaching

Values and Integration: Appreciation, Obedience, Respect, and Cooperation

### III. Strategy/Procedure

Teacher's Activity	Learner's Activity
<b>A. Preliminary Activities</b>  May we all stand for the prayer. Who can lead the prayer?  Good afternoon class!  You may now take your seat.  Let me check the attendance first. Make sure that you are in your proper seats so that you will not be marked absent.  Very Good! Everybody is present.	  <i>(A student lead the prayer)</i>  Good morning sir!  Thank you sir.   <i>(Check attendance using a seat plan)</i>  Yes sir.
<b>B. Review of the Past Lesson</b>  Do you still remember our lesson last meeting? What had we discussed?  Yes. Exactly! The Nuclear Force, any Question for that?  Very Good!	  Our last discussion is all about nuclear force  None so far sir!
<b>C. Motivation</b>  <i>Before we start to our Physics lesson lets have a Activity first prepare 1/8 sheet of paper for multiple choice are you ready?</i>  Precisely!	
<b>D. Presentation / Discussion</b>  The topic that we tackle for this afternoon is all about Nuclear Reactions   Ok class give some Definition or Prior Knowledge	

# Conceptual Pgysics Practice

**Paul G. Hewitt**



## Conceptual Physics Practice:

[Conceptual Physics Practice Page](#) , *Conc Phys Prac T/E 2e* Paul G. Hewitt,1992-01-01      **Conceptual Physics** ,1996  
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*Hewitt* Paul G. Hewitt,2013-11-01 This book is filled with computational exercise misconception busting questions analogies and straightforward practice questions and problems that help students tie it all together

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*Conceptual Physics* Paul G. Hewitt,1990      **Practice Book for Conceptual Physics Fundamentals** Paul Hewitt,2007-08-09 This valuable study tool features answers to odd numbered Exercises and Problems from the text to help build confidence and understanding of the key concepts in the textbook      **Conceptual Physics** Paul G. Hewitt,2002-01-01

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