# **Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ *Regents Chemistry***

## *Unit 11: Nuclear Chemistry*

## *Artificial Transmutations*

**Part 1**: Complete the following equations by writing the correct atomic number, atomic mass and symbol for the missing particle X



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**Part 2**: Complete the following multiple choice questions.

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**Part 3**: Identify the properties below as belonging to natural decay (transmutation), artificial transmutation, nuclear fission or nuclear fusion:

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