

## Section 7.3

### Nuclear Reactions

# Before You Read



#### 1. Words to Know

Directions: Match the correct definition to the term on the left.  
Scan pages 312 – 321 to find the definitions.

Words to Know	Definition
___ chain reaction	A. the splitting of a heavy nucleus into two lighter nuclei, subatomic particles, and energy
___ fission	B. the process in which two lightweight nuclei join together to make a heavier one
___ fusion	C. a process in which an atom's nucleus changes by gaining or releasing particles or energy
___ nuclear equation	D. a representation of the decay of nuclear particles, balancing all of the protons and neutrons involved
___ nuclear reaction	E. the process in which one reaction initiates the next reaction is a nuclear fission reaction

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## 2. Predicting the Main Ideas of Section 7.3

Directions: Scan pages 312 – 321 looking at the pictures and titles within this section. Predict six things you think you will learn in this section.

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