

Unit 2 Section 1 Study Guide

Directions: Answer the following questions.

Reviewing Objectives Part 1:

1. Describe how nuclear fusion produces energy in the Sun. Pages: 756-757
2. Describe how nuclear fusion and other processes in stars have led to the formation of all the other chemical elements. Pages: 775, 787

Reviewing Major Concepts Part 2: *Textbook Chapter 29 sections 1, Chapter 30 section 1*

1. Identify the two elements that make up most of the sun.
2. Identify the end products of the nuclear fusion process that occurs in the sun.
3. Explain how the sun converts matter into energy in its core.
4. Describe how nuclear fusion in a main-sequence star is different from nuclear fusion in a giant star.