TEXTBOOK SOLUTIONS EXPERT Q&A PRACTICE NEW!

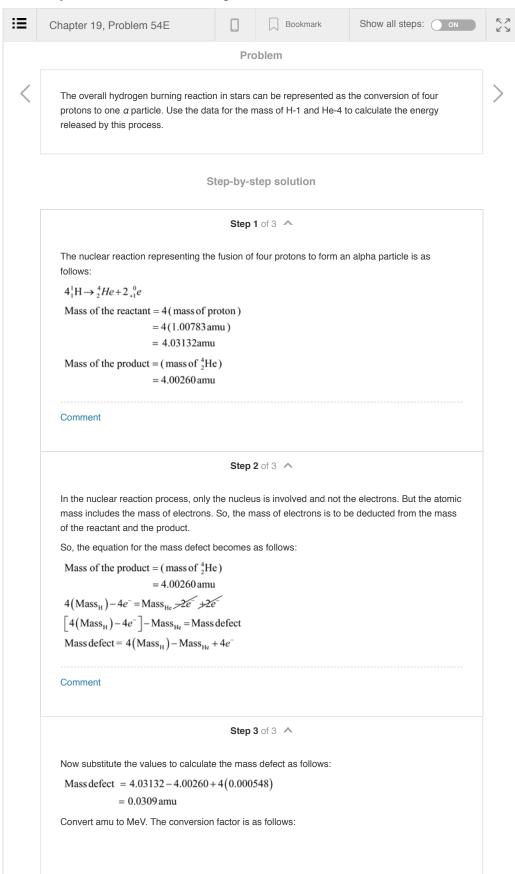
Search

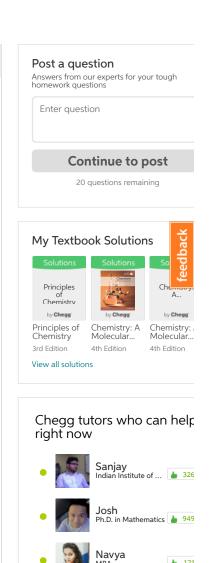




home / study / science / chemistry / general chemistry / general chemistry solutions manuals / principles of chemistry / 3rd edition / chapter 19 / problem 54e

Principles of Chemistry | (3rd Edition)





Find me a tutor

TEXTBOOK SOLUTIONS EXPERT Q&A PRACTICE NEW!

Search



0.0309 amu = 0.0309 amu × 1amu $=28.794 \, MeV$ Convert MeV to J. The conversion factor is as follows: $\frac{1.6 \times 10^{-13} \text{ J}}{1 \text{MeV}} (or) \frac{1 \text{MeV}}{1.6 \times 10^{-13} \text{ J}}$ $28.794 \,\text{MeV} = 28.794 \,\text{MeV} \times \frac{1.6 \times 10^{-13} \,\text{J}}{1.00 \times 10^{-13} \,\text{J}}$ $=4.61\times10^{-12} J$ Therefore, the energy produced in this process is $4.61 \times 10^{-12} \text{ J}$ Comment Was this solution helpful? 0

Recommended solutions for you in Chapter 19

Chapter 19, Problem 10SAQ

Which problem is not associated with nuclear power generation? a) danger of overheated nuclear core b) waste disposal c) global warming d) none of the above (All of the above are problems associated with nuclear power generation.)

See solution

Chapter 19, Problem 6SAQ

Iron-59 is a beta emitter with a half-life of 44.5 days. If a sample initially contains 132 mg of iron-59, how much iron-59 is left in the sample after 265 days? a) 0.00 mg b) 2.13 mg c) 33.2 mg d) 66.0 mg

See solution

ABOUT CHEGG

LEGAL

CHEGG PRODUCTS AND SERVICES

CHEGG NETWORK

CUSTOMER SERVICE







© 2003-2019 Chegg Inc. All rights reserved.

TEXTBOOK SOLUTIONS EXPERT Q&A PRACTICE NEW!

Search

