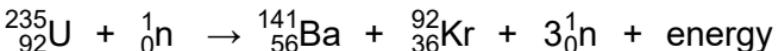


29 The nuclear fission reaction of Uranium-235 may be represented by the following equation



The rest masses of the nuclei are

nuclide	rest mass
$^{235}_{92}\text{U}$	235.04393 μ
$^{141}_{56}\text{Ba}$	140.91440 μ
$^{92}_{36}\text{Kr}$	91.92617 μ
${}^1_0\text{n}$	1.00866 μ

What is the energy released when one nuclide of $^{235}_{92}\text{U}$ undergoes fission?

A $3.09 \times 10^{-28} \text{ J}$

C $2.78 \times 10^{-11} \text{ J}$

B $9.26 \times 10^{-20} \text{ J}$

D $3.29 \times 10^{-10} \text{ J}$