29 An induced nuclear fission reaction may be represented by the equation

$$^{235}_{92}\mathrm{U} + {}^{1}_{0}\mathrm{n} \rightarrow {}^{98}_{40}\mathrm{Zr} + {}^{136}_{52}\mathrm{Te} + 2\,{}^{1}_{0}\mathrm{n}$$

The binding energy per nucleon *E* for the nuclides involved in the reaction are as shown:

Nuclide	*E* / MeV
$^{235}_{92}\mathrm{U}$	7.60
$^{98}_{40}\mathrm{Zr}$	8.58
$^{136}_{52}\mathrm{Te}$	8.32

What is the energy released in the reaction?

A 186 MeV **B** 196 MeV **C** 1970 MeV **D** 3760 MeV