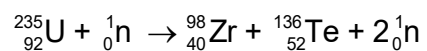


**29** A nuclear fission reaction may be represented by the equation



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

<i>Nuclide</i>	<i>E</i> / MeV
${}_{92}^{235}\text{U}$	7.60
${}_{40}^{98}\text{Zr}$	8.58
${}_{52}^{136}\text{Te}$	8.32

What is the energy released in the reaction?

**A** 186 MeV

**B** 196 MeV

**C** 1970 MeV

**D** 3760 MeV