

- 29** When a nucleus of uranium-235 absorbs a neutron in a nuclear reactor, it undergoes fission to form various products and releases further neutrons.

In one nuclear reaction involving the fission of uranium-235, barium-144 and another element, Z, are the products. Two neutrons are also released when these products are formed. The reaction is shown in the equation.



How many neutrons are there in the nucleus of Z?

A 53

B 54

C 90

D 91