

33 ${}_{94}^{239}\text{Pu}$ is an isotope of plutonium.

The nucleus can absorb a neutron and then split to form two other nuclei.

Two nuclei that form are gold, ${}_{79}^{207}\text{Au}$, and phosphorus, ${}_{15}^{31}\text{P}$.

In this reaction, neutrons are also produced.

What is the number of neutrons produced when the nucleus splits?

A 1

B 2

C 4

D 5