

**39** A neutron  ${}_0^1\text{n}$  is fired at a  ${}_{92}^{235}\text{U}$  nucleus. The neutron is absorbed by the nucleus which then splits to form nuclei of  ${}_{56}^{141}\text{Ba}$  and  ${}_{36}^{92}\text{Kr}$ .

What is the number of neutrons emitted when the  ${}_{92}^{235}\text{U}$  nucleus splits?

**A** 0

**B** 1

**C** 2

**D** 3