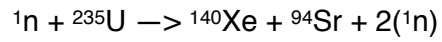


Ch 31/32 HW Quiz #1B

A possible reaction that can occur in a nuclear fission reactor to break down U-235 is:



The mass of ^{235}U is 235.043924 u.

The mass of ^{94}Sr is 93.915367 u.

The mass of ^{140}Xe is 139.921620 u.

If a nuclear power plant generates an output energy of 850 MW from this reaction, how many kg of ^{235}U are fissioned in one year?