

- The generation of energy in a nuclear reactor is largely based on the fission of either ^{235}U or ^{239}Pu . The fission products include every element from zinc through to the f -block. Explain why most of the radioactive fission products are β -emitters.

Marks
5

The radioactivity of spent fuel rods can be modelled by the exponential decay of ^{137}Cs , which has a half-life of 30.23 years. What is the specific activity of ^{137}Cs , in Bq g^{-1} ?

Answer: