

# RADIOACTIVE DECAY EQUATION

## (Alpha-particles)

Name:

Class:

Task : Fill in the boxes with the correct nucleon and proton number.

| No | Equations   |
|----|---|
| 1  | ${}_{92}^{238}\text{U} \rightarrow {}_2^4\text{He} + \text{X}$  |
| 2  | ${}_{96}^{297}\text{Cm} \rightarrow {}_2^4\text{He} + \text{X}$ |
| 3  | ${}_{88}^{222}\text{Ra} \rightarrow {}_2^4\text{He} + \text{X}$ |
| 4  | ${}_{95}^{241}\text{Am} \rightarrow {}_2^4\text{He} + \text{X}$ |
| 5  | ${}_{94}^{239}\text{Pu} \rightarrow {}_2^4\text{He} + \text{X}$ |