

- 4 Tritium is a radioactive isotope. Wine may contain traces of tritium. One 25-year-old bottle of wine was found to have an unusually high activity of 22 Bq.

half-life of tritium = 12.5 years

Which of the following gives the activity of this wine when it was bottled?

- ☐ A 44 Bq
- ☐ B 66 Bq
- ☐ C 88 Bq
- ☐ D 110 Bq

(Total for Question 4 = 1 mark)