

Chapter 3.4 Exam Q

Question 1

Year 11

(3 marks)

Airships, blimps, scientific balloons and party balloons are usually inflated with helium. However, someone thinks that helium, ${}^4_2\text{He}$, being a product of radioactive decay, is unsafe. Explain, with reference to the ionisation of atoms, the relative safety of helium.