Practice Question Set For GCSE

Subject: Physics



1

1

3

2

1

1

Paper-1 Topic: GCSE Triple Science Atomic Structure (High Demand Questions)

Max. Marks: 20 Marks Time: 20 Minutes

Mark Schemes

Q1.

(a) (atoms with the) same number of protons (i) allow same atomic number or same proton number

> (atoms with) different number of neutrons allow different mass number

- (ii) 82 1
- (iii) 124 1

1 mark for each correct box

- (ii) (a) neutron 1
- 4.0×10^{-4} (s) (iii) or 0.0004 $3.00 \times 10^8 \times 0.1 = 12\,000/t$ gains 1 mark

(iv) particles need to travel a large distance 1 equipment would have to be very long

with circular paths long distances can be accommodated in a smaller space

