

THE CONNECTION BETWEEN ATOMIC NUMBER AND NUMBER OF PROTONS

Paper: 1C
Question: 2(c)

Example 1

Your mark

The number of protons and electrons must be equal in an element so charge is neutral. Because Q and R are in the same period they have ~~at~~ same number of shells and R is two groups higher so has two more on outer shell. This means (Total for Question 2 = 4 marks)
R has 33 electrons so 33 protons.

Example 2

Your mark

Proton number of element R is 33, ~~because~~ and also Element Q and R are in same period. (Period 4)

Example 3

Your mark

R will have 2 fewer protons than Q because the periodic table is arranged by increasing atomic (proton) number, and as Q is two behind R, R will have 33 protons.