

Question #59278, Chemistry, General Chemistry

A monatomic ion with a charge of +1 has an electronic configuration of $1s^2 2s^2 2p^6$.

This ion is a(n).

What is the chemical symbol of the noble gas this ion is isoelectronic with?

What is the formula of the ion?

Answer:

The mentioned ion with a charge +1 and an electronic configuration of $1s^2 2s^2 2p^6$ is Na^+ .

It is isoelectronic with the noble gas Neon (Ne).

The formula of an ion is Na^+ .