

Warm-up:

1. If a chlorine ion has 12 protons and 14 electrons what charge will it have?

- a. +2 b. -2 c. 0 d. +1

2. A aluminum ion has 13 protons. How many electrons will it have if it has a charge of +2?

- a. 11 b. 10 c. 15 d. 16

Isotopes Page 96

Isotopes = atoms of the same element that differ only in their mass because they have a different number of neutrons, but the same number of protons.

We show which atoms are isotopes by placing the mass number after the symbol

Example: Cl-35 and Cl-37

Cl- 35 has 17 protons and 18 neutrons

Cl- 37 has 17 protons and 20 neutrons