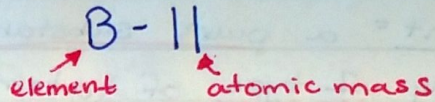


# Isotopes

Isotopes = atoms of the same element that have the same number of protons but different numbers of neutrons



## Isotopes of Carbon

Carbon-12

$$P = 6$$

$$E = 6$$

$$N = 12 - 6 = 6$$

Carbon-13

$$P = 6$$

$$E = 6$$

$$N = 13 - 6 = 7$$

Carbon-14

$$P = 6$$

$$E = 6$$

$$N = 14 - 6 = 8$$

