



Nuclear Parameters

1. All atoms of a given element have the same number of protons, which defines the element's **atomic number**, given the symbol Z.
2. Together, protons and neutrons are known as **nucleons**.
3. Any atom with a certain number of nucleons is called a **nuclide**.
4. The number of nucleons defines the nuclide's **mass number**, A:

$A = \text{number of protons} + \text{number of neutrons}$

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Isotopes and Isobars

Isotopes
