

Matching: Nuclear Energy

Directions: Match each term to the correct definition.

Terms

nucleus

protons

element

atomic number

isotopes

mass number

radioactive

Definitions

the number of protons and neutrons in an atom's nucleus

The nucleus of an atom that is ___ will spontaneously break down.

parts of an atom with positive charge

Atoms of the same ___ always have the same number of protons.

the central part of an atom

atoms of the same element with different numbers of neutrons in their nuclei

the number of protons in an atom's nucleus

Answers

nucleus: the central part of an atom

protons: parts of an atom with positive charge

element: Atoms of the same ____ always have the same number of protons.

atomic number: the number of protons in an atom's nucleus

isotopes: atoms of the same element with different numbers of neutrons in their nuclei

mass number: the number of protons and neutrons in an atom's nucleus

radioactive: The nucleus of an atom that is ____ will spontaneously break down.