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Atomic nucleus - Wikipedia

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atom: The smallest possible amount of matter which still retains its identity as a chemical element, consisting of a nucleus surrounded by electrons.
proton: Positively charged subatomic particle forming part of the nucleus of an atom and determining the atomic number of an element. It weighs 1 amu.

Thorium-based nuclear power - Wikipedia

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Atom And Nuclear Kumar Mital

What is the difference between an atomic and a nuclear bomb? Nuclear bombs are of two types those that depend on fission, like atomic bombs, and those that depend on fusion, like hydrogen bombs.

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The atomic nucleus is the small, dense region consisting of protons and neutrons at the center of an atom, discovered in 1911 by Ernest Rutherford based on the 1909 Geiger-Marsden gold foil experiment. After the discovery of the neutron in 1932, models for a nucleus composed of protons and neutrons were quickly developed by Dmitri Ivanenko and Werner Heisenberg.

India and weapons of mass destruction - Wikipedia

The easiest way to find the number of protons, neutrons, and electrons for an element is to look at the element's atomic number on the periodic table. That number is equal to the number of protons. The number of protons is equal to the number of electrons, unless there's an ion superscript listed after the element.

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