neutrons of bromine

AI generated article from Bing

Neutron | Definition, Overview & Facts - Lesson | Study.com

Neutrons The neutron is one of the three subatomic particles that make up an atom. It exists in the nucleus of the atom alongside protons and makes up an atom's atomic mass with protons.

The Three Isotopes of Hydrogen | Differences & Properties

Learn the three isotopes of hydrogen. Learn the number of protons and neutrons in each of the isotopes of Hydrogen along with their atomic and mass numbers.

How many protons, neutrons, and electrons are in aluminum?

Aluminum has 13 protons, 13 electrons, and 14 neutrons. To determine this, look first at the atomic number for aluminum, which is 13. This gives the...

Too Many Neutrons: Why Does Nuclear Stability Decrease?

The discussion revolves around the stability of atomic nuclei, particularly focusing on the role of neutrons in nuclear stability and the conditions under which nuclei become unstable. Participants explore theoretical models, analogies with electron configurations, and specific cases of elements with varying neutron counts. Some participants explain that adding neutrons can increase binding ...

How to Determine the Number of Neutrons in an Isotope from its Mass ...

Learn how to determine the number of neutrons in an isotope from its mass number, and see examples that walk you through step-by-step to improve your physics knowledge and skills.

What actually happens to the U-238 part of fuel in a nuclear reactor ...

The discussion centers on the fate of uranium-238 (U-238) in nuclear reactors, particularly in relation to its role alongside uranium-235 (U-235) as fuel. Participants explore the processes that U-238 undergoes during reactor operation, including neutron absorption and potential transmutation into other isotopes, as well as the implications for fuel depletion and recycling. Some participants ...

How do you create protons, neutrons, and electrons from

energy?

Quick question, regarding mass-energy equivalence (e=mc2) and matter creation. Knowing that there are many concete visual examples of matter turning into energy using Einstein's equation, how do you use energy to create matter? If I'm not mistaken, I believe electron-positron pairs are...

Elastic collision between neutrons and deuterons - Physics Forums

The discussion focuses on elastic collisions between neutrons and deuterons in Canadian nuclear reactors, specifically addressing the speed and kinetic energy changes of neutrons after collisions. The equations governing these collisions are derived from conservation of momentum and energy principles. The results indicate that after a head-on elastic collision with a deuteron at rest, the ...

James Chadwick Atomic Theory | Model & Experiment - Study.com

Neutrons occupy the nucleus of the atom. How did Chadwick contribute to the atomic model? James Chadwick's contribution to the atomic model was his discovery of the neutron.

Atomic Nucleus | Definition & Structure - Lesson | Study.com

Neutrons - neutral particles found in the nucleus of the atom. The number of neutrons combined with the number of protons makes up the atomic mass of the atom.