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#### Nuclear Energy Webquest: Nuclear Fission And Fusion

That's The End Of The Website! Below, Summarize Fission And Fusion. Fission Is The \_\_\_\_\_ Of An Atomic Nucleus. It Is Started When A Nucleus Is Bombarded By A \_\_\_\_\_. The Result Is: Fusion Is The Pr Apr 1th, 2024

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The Presence Of High-powered Atomic Bonds Between Particles Found Within A Nucleus. In Fission, An Atom Is Split Into Two Or More Smaller, Lighter Atoms. Fusion, In Contrast, Occurs When Two Or More Smaller Atoms Fuse Together, Creating A Larger, Heavier Atom. Fission And Fusion Feb 4th, 2024

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FUSION: 2 Nuclei Combine To Form A Heavier Nucleus The Sun Is A Tremendous Fusion Reaction; The Major Fusion Reaction In The Sun Is Thought To Be: Both Fission & Fusion Release Large Amounts Of Energy (fusion More Than Fission Mar 2th, 2024

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NOTES: 25.3 - Nuclear Fission & Fusion Nuclear Fission: The Into Lighter Nuclei FISSION: A Heavy Nucleus Splits Into Some Elements Undergo Fission Spontaneously Some Elements Can Be Induced To Undergo Fission When (e.g.) Nuclear Fusion: Jan 1th, 2024

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Undergo fission, The Splitting Of A Nucleus Into Smaller Fragments. Uranium-235 And Plutonium-239 Are The Only fissionable Isotopes. Figure 25.10 Shows How A fissionable Atom, Such As Uranium-235, Breaks Into Two Frag-ments Of Roughly The Same Size When Struck By A Slow-moving Neutron. At The Same Time, More Neutrons Are Released By The ... Mar 2th, 2024

## Section 10.4 10.4 Fission And Fusion - Physical Science

A. Is The Splitting Of A Large Nucleus Into Two Smaller Fragments B. Widely Used As An Energy Source C. Is The Fusing Of Two Small Nuclei Into One Larger Nucleus D. Still Being Researched And Developed As An Alternate Energy Source INSTRUCT Nuclear Forces Use Visuals Figure 15 Have Students Carefully Examine The Illustration. Ask, Why Are May 3th, 2024

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Reactors By A Succession Of Nuclear Reactions Initiated By The Absorption Of A Neutron By Uranium. (When A Neutron Strikes A Nucleus Of Uranium, The Result Can Be Either Fission Or Absorption.) Several Transuranic Isotopes Have Half-lives Of Centuries To Millions Of Years, And These Represent One Of The Most Challenging Aspects Of Radioactive Waste Apr 4th, 2024

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Fission And Fusion Handout 1 0n+ 235 92 U! 141 56 Ba+ 92 36 Kr+3 1 0n (3) Isotope Mass (u) Mc2 (J) 235 92 U 235.044 35:0784 10 9 92 36Kr 91.926 U 13:7192 14110 9 141 56 Ba 140.914 21:0303 10 9 1 0n 1.009 U 0:1506 10 9 Now If We Add

Up The Energies Of The 56 Ba And 92 36Kr And Two Neutrons, We Get 35:0507 10 9 J. This Is Smaller Than Th May 4th, 2024

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Difference Is A Measure Of The Nuclear Binding Energy Which Holds The Nucleus Together (Figure 1). As Figures 1 And 2 Below Show, The Energy Yield From Nuclear Fusion Is Much Greater Than Nuclear Fission. Figure 1 Nuclear Binding Energy = Amc 2 For The Alpha Partic Feb 5th, 2024

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