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1. What part of atomic structure **defines a chemical element**?
2. What is the **mass number** of an element?
3. What is an **isotope**? Give an **example**. (A sketch would be great!)
4. The heaviest element that still has stable isotopes is **Lead (Pb, atomic number 82)**, its largest/heaviest isotope being **Pb-208**. How many **neutrons** does its nucleus have?
5. What makes a **heavy, large nucleus unstable**?