SCIENCE ONE 2025/2026 **HOMEWORK #26**

NAME:

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1. What is an **isotope?** Give an **example.** (A sketch would be great!)

2. 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?

3. What makes a **heavy, large nucleus unstable?**