

Use the following questions (and your notes/worksheet) to help guide your studies for Friday's Radiation Quiz.

- 1. What are isotopes?**
- 2. What do the different numbers for each element on the periodic table really mean?**
- 3. What does the number in an isotope's name (Boron-11) mean? What about the numbers in an isotope symbol? ($^{11}_5\text{B}$)**
- 4. Do you know how to fill in missing numbers about an isotope, like the 2 tables on Decay Practice Worksheet #1?**
- 5. What is really released in each of the 3 types of radioactive decay? How energetic/penetrating is each type?**
- 6. Do you know how to balance decay reaction formulas, like the last questions on Decay Practice Worksheet #1?**
- 7. What is meant by the 'half-life' of a radioactive isotope?**
- 8. Describe the two forces that are in balance in a stable nucleus.**