

BLITZ: Nuclear Form T-Z

Name _____ Period _____

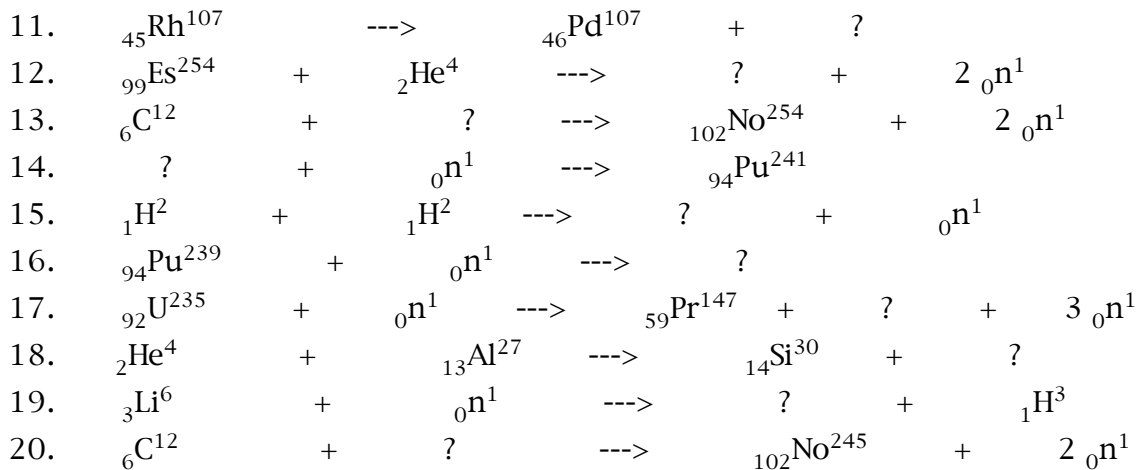
This is a Take Home Exam. You may use your notes but you may NOT use help from human beings.

EXPLAIN IN COMPLETE SENTENCES AND GIVE EXAMPLES:

You MUST HAND WRITE THIS EXAM!! NO TYPED PAPERS WILL BE ACCEPTED!

1. Discuss the meaning of half-life, and give an example.
2. Using a diagram, tell the function of the five parts of a nuclear reactor.
3. Using a diagram, tell how X-Rays are produced and two things they show us about atomic structure.
4. Explain critical mass and the chain reaction.
5. List five properties of radioactivity.
6. Define alpha, beta, and gamma rays and, using a diagram, tell how they were discovered.
7. Using a diagram, explain how the charge-mass ratio of an electron is determined.
8. Explain nuclear fission and fusion and give an example of each.
9. Using a diagram, explain Isotopes and how they were discovered.
10. Using a diagram, describe how ions and the proton were found.

***** COPY THESE EQUATIONS AND COMPLETE THEM ON YOUR PAPER:**



When finished, please STAPLE this exam onto your papers and turn in on due date.