

Fission & Fusion Questions

Answer the following questions on a separate sheet of paper. Write well.

- 1) For the following scientists, write a paragraph summarizing their contributions to our understanding of atoms. Include a description of their experiments, how their results led to their discoveries, and how these discoveries refined previous understandings of the atom.
JJ Thompson Robert Millikan Ernest Rutherford Neils Bohr
- 2) Explain what happens in nuclear chain reactions.
- 3) Define a nuclear reaction and describe the process of nuclear fission.
- 4) How are fusion reactions different from fission reactions?
- 5) Fusion reactions produce enormous amounts of energy. Why is fusion not used to generate electrical power?
- 6) In the previous unit, we also discussed fusion processes. Explain.