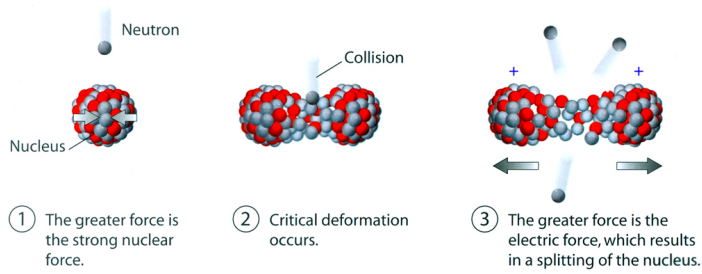
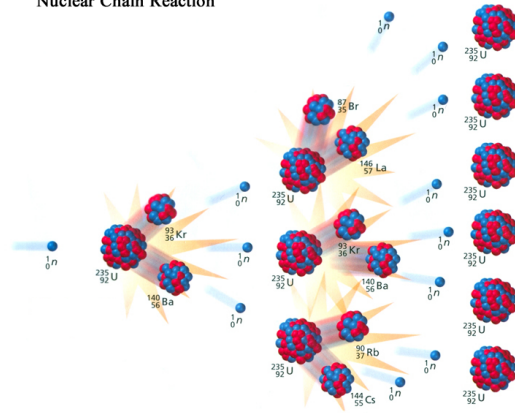


### Nuclear Deformation



### Nuclear Chain Reaction



Fission induction of uranium-235 by bombardment with neutrons can lead to a chain reaction when a critical mass of uranium-235 is present.

1. Explain the process that occurs during the fission of a nucleus. Be sure to include a description of the forces involved and how they change during the process.
2. How does a nuclear chain reaction occur? What is needed for a chain reaction to go out of control?

Complete the following fission reactions.

