**Fission and Fusion Virtual Lab**

1. Search “phet nuclear fission”
2. Open the Phet simulation called, “Nuclear Fission” by click on the picture of the icon.
3. Use the tab called “Fission – One Nucleus” to answer the following questions:
   1. How you can make U-235 unstable?
   2. How do you know it’s unstable?
   3. Draw a basic illustration of Nuclear fission
4. Explore the “Chain Reaction” tab.
   1. While using the simulation, what observations have you made that makes nuclear reactions good for bombs?
5. Watch “Nuclear Fusion explained”…

<https://www.youtube.com/watch?v=Cb8NX3HiS4U>