Modeling Nuclear Reactions

There are many misconceptions regarding the term "nuclear" and what it means to people. Feel free to add in your own scenarios and expand.

Your task is to create a poster modeling the processes of nuclear fission and fusion. You may work in a group of two. However, if you don't complete this in the designated amount of class time, you will be responsible to finish it together outside of class.

- Clearly label each process
- Represent all involved particles and provide a clear key
- Represent the energy input and output of each system
- Provide real life examples of each process
- No clipart, internet or printed pictures
- Be creative and neat
- Attach rubric to finished product

Scoring Rubric:

	6	4	2
Sub-Atomic Particle Representations- Fission	All particles are accurately represented before, during, and after the process	Some particles are accurately represented throughout the process OR all particles are represented accurately during parts of the process	Particles are not accurately represented
Energy Representations- Fission	Energy input AND output are accurately represented	Either energy input OR output are accurately represented	Energy flow is not accurately represented
Sub-Atomic Particle Representations- Fusion	All particles are accurately represented before, during, and after the process	Some particles are accurately represented throughout the process OR all particles are represented accurately during parts of the process	Particles are not accurately represented
Energy Representations- Fusion	Energy input AND output are accurately represented	Either energy input OR output are accurately represented	Energy flow is not accurately represented
Element Labelling	Elements are correctly labeled in all parts of the process.	Elements are either correctly labeled in some parts of the process OR are not all labeled	Elements are not clearly labeled
Real Life Examples	Examples provided for both fission AND fusion.	Example provided for only fission OR fusion	No examples provided