



What I've Learned

Match the terms in column A with its description in Column B

A

- _____ 1. Alpha ladder process
- _____ 2. Big Bang Nucleosynthesis
- _____ 3. CNO cycle
- _____ 4. Neutron Capture
- _____ 5. Proton- Proton Chain
- _____ 6. R- process
- _____ 7. S- process
- _____ 8. Stellar Nucleosynthesis
- _____ 9. Supernova Nucleosynthesis
- _____ 10. Tri alpha process

B

- a. There is a faster rate of capturing neutrons before it undergoes radioactive decay.
- b. Nuclear fusion that happens in red supergiant stars and creates heavier elements such as Iron.
- c. It happens when there is a slow rate of capturing neutrons while there is a faster rate of radioactive decay.
- d. It is a process wherein light elements such as Helium and Hydrogen are formed.
- e. This is how three Helium-4 is converted into Carbon in a red giant star.
- f. It is a process where elements heavier than Iron are formed.
- g. It is a Nuclear fusion reaction where Hydrogen is converted to Helium
- h. It is an addition of neutron to form heavier nuclei.
- i. It is a process by which elements are created within the star.
- j. This happens in a massive star which converts Hydrogen into Helium.