# *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.



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