

Name _____

The Brilliant Beings Called Stars

Multiple Choice Questions

1. What are the two primary elements that make up stars?
 - a) Carbon and oxygen
 - b) Hydrogen and helium
 - c) Iron and nickel
 - d) Nitrogen and oxygen

2. What happens in the core of a star during the process of nuclear fusion?
 - a) Helium atoms split into hydrogen atoms.
 - b) Hydrogen atoms combine to form helium, releasing energy.
 - c) The star cools down.
 - d) The star loses mass.

3. Which type of star is cooler and often appears reddish?
 - a) Red giants
 - b) White dwarfs
 - c) Red dwarfs
 - d) Supergiants

4. What is the eventual fate of our Sun?
 - a) It will explode in a supernova.
 - b) It will turn into a black hole.
 - c) It will become a white dwarf.
 - d) It will merge with another star.

5. What are constellations, and what role have they played in human history?
 - a) Patterns of stars as seen from Earth; used for navigation and storytelling
 - b) Groups of stars in the same stage of their lifecycle
 - c) Collections of stars with the same temperature
 - d) Stellar formations that emit radio waves

